BB-Classic Documentation

Release 2.0

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OVERVIEW

Basecamp on Backbone, Twitter Bootstrap, GAE

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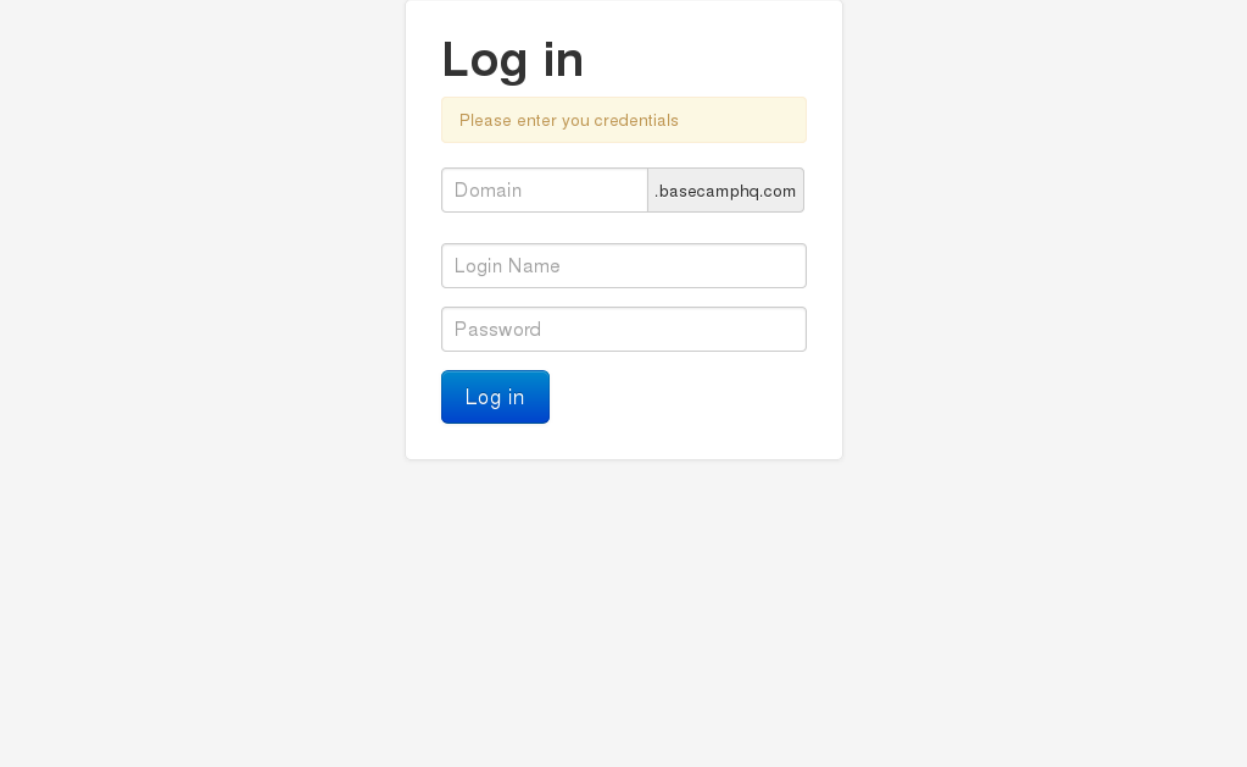
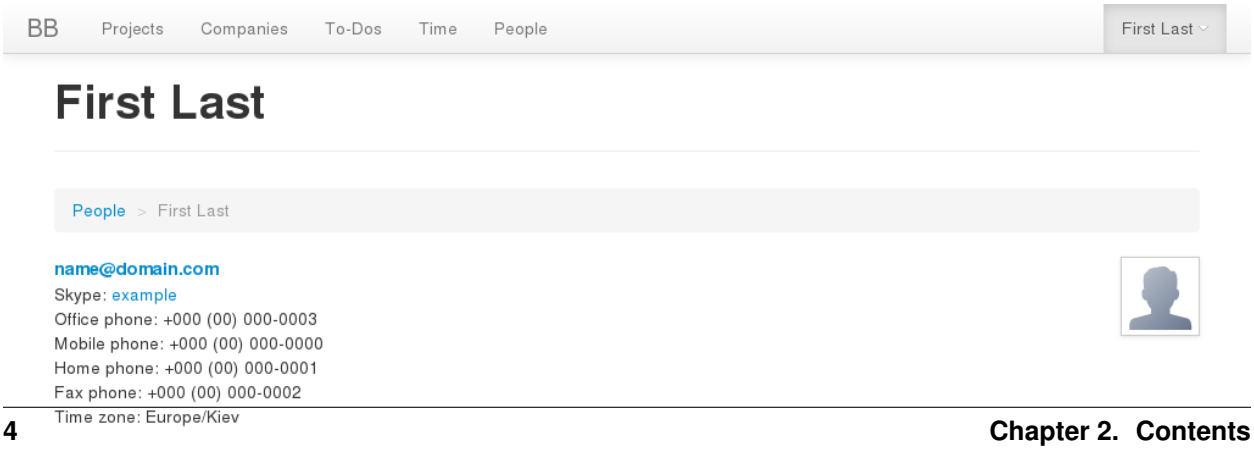
2.1 Login page



2.2 My info page



CHAPTER

THREE

MODULES SOURCE CODE DOCUMENTATION

3.1 bb‘s module

3.1.1 Main BB classic app module

- `/` - Main Page Handler
- */login* - Login Page Handler
- */logout* - Logout Page Handler
- */api/.** - Cross Domain Handler

class bb.**BaseRequestHandler**(*request=None*, *response=None*)
Base Request Handler

auth_check()
Check session

dev
Check develompent environment

class bb.**CacheInfo**(*parent=None*, *key_name=None*, *_app=None*, *_from_entity=False*, ***kwds*)
Model for the cached response.

Attributes:

•*url - Fetch URL*

•*status_code - Response status*

•*headers - Response headers*

•*content - Response content*

•*date - Date when response was added to the cache*

class bb.**CrossDomain**(*request=None*, *response=None*)
Cross Domain Handler

•`PUT /api/.*` - CrossDomain PUT

•`POST /api/.*` - CrossDomain POST

•`DELETE /api/.*` - CrossDomain DELETE

•`GET /api/.*` - CrossDomain GET

apiurl
get api url

delete()
wrapper for the function

fetch_request(*method*, *data=None*)
Fetch request

Parameters

- **url** (*string*) – [required] request url
- **headers** (*dict*) – [required] request headers

Returns request response

Raises Exception

Return type Response

fullurl
get full url

get()
wrapper for the function

jsondata
get json data from request body

post()
wrapper for the function

put()
wrapper for the function

xmldata
get xml data from request body

exception bb.**GetSubjectException**
Exception on get subject_id

class bb.**LoginPage**(*request=None*, *response=None*)
Login Page Handler

- `GET /login` - LoginPage GET
- `POST /login` - LoginPage POST

get()
GET request

post()
POST request

class bb.**LogoutPage**(*request=None*, *response=None*)
Logout Page Handler

- `GET /logout` - LogoutPage GET

get()
GET request

class bb.**MainPage**(*request=None*, *response=None*)
Main Page Handler

- `GET /` - MainPage GET

get()
wrapper for the function

bb.**absolute_url**(*subdomain*, *relative_url=''*, *params=''*, *query=''*, *fragment=''*)
Prepare absolute url for request

Parameters

- **subdomain** (*string*) – [required] basecamphq subdomain
- **relative_url** (*string*) – relative url
- **params** (*string*) – url parameters
- **query** (*string*) – url query
- **fragment** (*string*) – url fragment

Returns absolute url for request

Return type string

bb.**authenticated**(*func*)
decorator for check authentication

bb.**convert**(*node*)
convert xml to dict

Parameters **node** (*string*) – [required] xml node to convert

Returns converted node

Raises Exception

Return type tuple(string, valuetype)

bb.**convertchilds**(*childs*)
convert childs

Parameters **childs** (*list*) – [required] list of nodes

Returns converted childs

Raises Exception

Return type list

bb.**convertsubnodes**(*childs*)
convert subnodes

Parameters **childs** (*list*) – [required] list of nodes

Returns converted nodes

Raises Exception

Return type dict|string

bb.**dict2xml**(*data*, *tags*)
convert dict to xml

Parameters

- **data** (*dict*) – [required] dict with data to convert
- **tags** (*tuple*) – [required] tuple of base tags

Returns pretty xml

Return type string

bb.**get_headers**(*username*, *password*)
Prepare request headers

Parameters

- **username** (*string*) – [required] username
- **password** (*string*) – [required] password

Returns headers dict

Return type dict

bb.**get_subject_id**(*username*, *password*, *subdomain*)
Get 'subject_id' for report query - it is id of logged in user.

Parameters

- **username** (*string*) – [required] username
- **password** (*string*) – [required] password
- **subdomain** (*string*) – [required] subdomain

Returns id of logged in user

Raises GetSubjectException

Return type string

bb.**get_xml_for_request**(*url*)
Get xml base tags for request

Parameters **url** (*string*) – [required] url

Returns tuple of base tags or None

Return type tuple or None

bb.**save_request**(*url*, *result*)
Save request

Parameters

- **url** (*string*) – [required] request url
- **result** (*Response*) – [required] request response

3.2 keys's module

3.2.1 keyring module

keys.**_db_get**()
get keyring from db

Returns keyring

Return type Keyring

class keys.**Keyring**(*parent=None*, *key_name=None*, *_app=None*, *_from_entity=False*, ***kwds*)
Keyring db model

Attributes:

•*data - encoded key data*

keys.**current**()
get current key

Returns get next key

Return type string

keys.**data**()
get keys

Returns key

Return type string

keys.**delete**()
delete keyring

keys.**generate_key**()
generate key

Returns generated key pair

Return type tuple of string

keys.**generate_marker**()
regenerate_raw_key implementation satisfies needs

Returns generated key

Return type string

keys.**generate_raw_key**()
generate raw key

Returns generated key

Return type string

keys.**refresh**()
refresh keys

Returns fresh keys

Return type list of key pairs

keys.**rotate**()
rotate keys

keys.**setkeys**(*keys*)
set keys

Parameters **keys** (*list*) – [required] list of key pairs

3.3 crypto‘s module

3.3.1 crypto module

- */genkeys* - Generate keys handler
- */addkey* - Add key handler

class crypto.**AddkeyPage**
Add key handler

- `GET /addkey` - AddkeyPage GET
- `POST /addkey` - AddkeyPage POST

action()
rotate keys

class crypto.**BaseHandler**
Base crypto module handler

- `GET /.*` - BaseHandler GET
- `POST /.*` - BaseHandler POST

get()
GET request

post()
POST request

class crypto.**GenkeysPage**
Generate keys handler

- `GET /genkeys` - GenkeysPage GET
- `POST /genkeys` - GenkeysPage POST

action()
refresh keys

Returns fresh keys

Return type list of key pairs

crypto.**decode_data**(*source*, *delimiter='\n'*)
decode data

crypto.**decrypt**(*source*, *key*)

crypto.**encode_data**(*values*, *delimiter='\n'*)
encode data

crypto.**encrypt**(*source*, *key*)

crypto.**main**()

CHAPTER

FOUR

ACCEPTANCE TESTS

4.1 Acceptance tests

4.1.1 Login page should have inputs and validate submit

Login page should have input[name=subdomain], input[name=username], input[name=password] and should validate inputs on submit.

```
Given an bb-classic app login page
 Then page should contain  Please enter you credentials
  And page should contain element  name=subdomain
  And page should contain element  name=username
  And page should contain element  name=password
 When enter subdomain field
  And click button  Log in
 Then page should contain  Please enter all fields!
 When enter username field
  And click button  Log in
 Then page should contain  Please enter all fields!
 When enter password field
  And click button  Log in
 Then Wait Until Page Contains  First Last
```

4.1.2 Navigation menu should work correctly

Navigation menu should change location and heading correctly.

```
Given an bb-classic app
 When click on "Projects" link in navbar
 Then location should be  ${APP_URL}/#projects
  And heading should be "Projects"
  And title should be  Projects - BB
 When click on "Companies" link in navbar
 Then location should be  ${APP_URL}/#companies
  And heading should be "Companies"
  And title should be  Companies - BB
  And wait for data loading
 When click link  Name of #0
 Then location should be  ${APP_URL}/#companies/0
  And heading should be "Name of #0"
  And title should be  Name of #0 - Companies - BB
 When click on "To-Dos" link in navbar
 Then location should be  ${APP_URL}/#todos
```

```
 And heading should be "My to-dos"
 And title should be  My to-dos - BB
When click on "Time" link in navbar
Then location should be  ${APP_URL}/#time_report
 And heading should be "Time report"
 And title should be  Time report - BB
When click on "People" link in navbar
Then location should be  ${APP_URL}/#people
 And heading should be "People"
 And title should be  People - BB
When click link  First#0 Last
Then location should be  ${APP_URL}/#people/0
 And heading should be "First#0 Last"
 And title should be  First#0 Last - People - BB
```

4.1.3 My profile page should contains my info

My profile page should contains info about me.

```
Given an bb-classic app
 When go to my profile page
 Then my info be visible
```

4.1.4 Projects page should contains links to projects

Projects page should contains correct links to projects if company and projects state selected.

```
Given an projects page
  And wait for data loading
 When click on "Company name #0" in active state
 Then link to Name of #0 should be visible
  And link to Name of #5 should not be visible
  And link to Name of #10 should not be visible
  And link to Name of #15 should be visible
  And link to Name of #20 should not be visible
  And link to Name of #25 should not be visible
 When click on "Company name #0" in on_hold state
 Then link to Name of #0 should not be visible
  And link to Name of #5 should not be visible
  And link to Name of #10 should be visible
  And link to Name of #15 should not be visible
  And link to Name of #20 should not be visible
  And link to Name of #25 should be visible
 When click on "Company name #0" in archived state
 Then link to Name of #0 should not be visible
  And link to Name of #5 should be visible
  And link to Name of #10 should not be visible
  And link to Name of #15 should not be visible
  And link to Name of #20 should be visible
  And link to Name of #25 should not be visible
```

4.1.5 Project navigation should work correctly

Projects navigation should change location and heading correctly.

```
Given an projects page
  And wait for data loading
 When click link  Name of #0
 Then location should be  ${APP_URL}/#projects/0
  And heading should be "Name of #0"
  And title should be  Name of #0 - Projects - Company name #0 - Companies - BB
 When click on "Messages" in projectnav
 Then location should be  ${APP_URL}/#projects/0/posts
  And heading should be "Posts"
  And title should be  Posts - Name of #0 - Projects - Company name #0 - Companies - BB
  And wait for data loading
 When click link  Title #0
 Then location should be  ${APP_URL}/#projects/0/posts/0
  And heading should be "Title #0"
  And title should be  Title #0 - Posts - Name of #0 - Projects - Company name #0 - Companies - B
 When click element  css=.itemcomments
 Then location should be  ${APP_URL}/#projects/0/posts/0/comments
  And heading should be "Comments"
  And title should be  Comments - Title #0 - Posts - Name of #0 - Projects - Company name #0 - Co
 When click on "To-Dos" in projectnav
 Then location should be  ${APP_URL}/#projects/0/todo_lists
  And heading should be "To-dos"
  And title should be  To-dos - Name of #0 - Projects - Company name #0 - Companies - BB
  And wait for data loading
 When click link  css=a[href$='todo_lists/0']
 Then location should be  ${APP_URL}/#projects/0/todo_lists/0
  And heading should be "Name of #0"
  And title should be  Name of #0 - To-dos - Name of #0 - Projects - Company name #0 - Companies
  And wait for data loading
 When click link  Todo content #0
 Then location should be  ${APP_URL}/#projects/0/todo_lists/0/0
  And heading should be "Todo content #0"
  And title should be  Todo content #0 - Name of #0 - To-dos - Name of #0 - Projects - Company na
 When click element  css=.itemcomments
 Then location should be  ${APP_URL}/#projects/0/todo_lists/0/0/comments
  And heading should be "Comments"
  And title should be  Comments - Todo content #0 - Name of #0 - To-dos - Name of #0 - Projects -
 When click on "Calendar" in projectnav
 Then location should be  ${APP_URL}/#projects/0/calendar
  And heading should be "Calendar"
  And title should be  Calendar - Name of #0 - Projects - Company name #0 - Companies - BB
  And wait for data loading
 When click link  Title #0
 Then location should be  ${APP_URL}/#projects/0/calendar/0
  And heading should be "Title #0"
  And title should be  Title #0 - Calendar - Name of #0 - Projects - Company name #0 - Companies
 When click element  css=.itemcomments
 Then location should be  ${APP_URL}/#projects/0/calendar/0/comments
  And heading should be "Comments"
  And title should be  Comments - Title #0 - Calendar - Name of #0 - Projects - Company name #0 -
 When click on "Time" in projectnav
 Then location should be  ${APP_URL}/#projects/0/time_entries
  And heading should be "Time"
  And title should be  Time - Name of #0 - Projects - Company name #0 - Companies - BB
 When click on "Files" in projectnav
 Then location should be  ${APP_URL}/#projects/0/files
  And heading should be "Files"
  And title should be  Files - Name of #0 - Projects - Company name #0 - Companies - BB
```

```
 And wait for data loading
When click link  css=a[href$='files/0']
Then location should be  ${APP_URL}/#projects/0/files/0
 And heading should be "Name of #0"
 And title should be  Name of #0 - Files - Name of #0 - Projects - Company name #0 - Companies -
When click on "Categories" in projectnav
Then location should be  ${APP_URL}/#projects/0/categories
 And heading should be "Categories"
 And title should be  Categories - Name of #0 - Projects - Company name #0 - Companies - BB
 And wait for data loading
When click link  css=a[href$='categories/0']
Then location should be  ${APP_URL}/#projects/0/categories/0
 And heading should be "Name of #0"
 And title should be  Name of #0 - Categories - Name of #0 - Projects - Company name #0 - Compar
When click on "People" in projectnav
Then location should be  ${APP_URL}/#projects/0/people
 And heading should be "People"
 And title should be  People - Name of #0 - Projects - Company name #0 - Companies - BB
 And wait for data loading
When click link  First#0 Last
Then location should be  ${APP_URL}/#projects/0/people/0
 And heading should be "First#0 Last"
 And title should be  First#0 Last - People - Name of #0 - Projects - Company name #0 - Companie
```

4.1.6 User can edit delete and sort time entries on time report page

User should edit, delete and sort time entries.

```
Given an time report page
 When user edit time entry
 Then page should contain edited entry
 When user delete time entry
 Then page should not contain deleted entry
 When user sort time entries
 Then page should contain sorted entries
```

4.1.7 User can add edit delete and sort time entries on project time page

User should add, edit, delete and sort time entries.

```
Given an project time page
 When user edit time entry
 Then page should contain edited entry
 When user delete time entry
 Then page should not contain deleted entry
 When user sort time entries
 Then page should contain sorted entries
 When user add time entry
 Then page should contain added entry
```

4.1.8 User can view todos for it and other users

User should view to-dos for it, other users and unassigned.

```
Given an to-dos page
 When select from list  target  First#1 Last
 Then Wait Until Page Contains  First#1 Last's to-do items across all projects
  And heading should be "First#1 Last's to-dos"
 When select from list  target  Nobody
 Then Wait Until Page Contains  Unassigned to-do items across all projects
  And heading should be "Unassigned to-dos"
```

4.1.9 User can add edit and delete todo lists and items

User should add, edit and delete todo lists and items.

```
Given an project todos page
 When user add todo list
 Then page should contain added todo list
 When user edit todo list
 Then page should contain edited todo list
 When user delete todo list
 Then page should not contain deleted todo list
 When click link  css=a[href$='todo_lists/0']
 When user add todo item
 Then page should contain added todo item
 When user edit todo item
 Then page should contain edited todo item
 When user delete todo item
 Then page should not contain deleted todo item
```

4.1.10 User can edit and delete calendar entries on project calendar page

User should edit and delete calendar entries.

```
Given an project calendar page
 When user edit calendar entry
 Then page should contain edited entry
 When user delete calendar entry
 Then page should not contain deleted entry
```

4.2 Generate screenshots

4.2.1 Generate screenshots

```
Sleep  1
Capture Page Screenshot  ${base_login}
Test user login
Wait for data loading
Capture Page Screenshot  ${base_projects}
Click link  Companies
Wait for data loading
Capture Page Screenshot  ${base_companies}
Click link  Name of #0
Wait for data loading
Capture Page Screenshot  ${base_company}
```

```
Click link  To-Dos
Wait for data loading
Capture Page Screenshot  ${base_todos}
Click link  Time
Wait for data loading
Capture Page Screenshot  ${base_time_report}
Click link  People
Wait for data loading
Capture Page Screenshot  ${base_people}
Click link  First#0 Last
Wait for data loading
Capture Page Screenshot  ${base_person}
Click link  First Last
Click link  My profile
Capture Page Screenshot  ${base_mypage}
Click link  Projects
Click link  Name of #0
Capture Page Screenshot  ${base_project_overview}
Click on "Messages" in projectnav
Capture Page Screenshot  ${base_project_messages}
Click link  Title #0
Wait for data loading
Capture Page Screenshot  ${base_project_message}
Click element  css=.itemcomments
Wait for data loading
Capture Page Screenshot  ${base_project_message_comments}
Click on "To-Dos" in projectnav
Capture Page Screenshot  ${base_project_todos}
Click link  css=a[href$='todo_lists/0']
Wait for data loading
Capture Page Screenshot  ${base_project_todolist}
Click link  Todo content #0
Wait for data loading
Capture Page Screenshot  ${base_project_todo}
Click element  css=.itemcomments
Wait for data loading
Capture Page Screenshot  ${base_project_todo_comments}
Click on "Calendar" in projectnav
Capture Page Screenshot  ${base_project_calendar}
Click link  Title #0
Wait for data loading
Capture Page Screenshot  ${base_project_calendar_entry}
Click element  css=.itemcomments
Wait for data loading
Capture Page Screenshot  ${base_project_calendar_entry_comments}
Click on "Time" in projectnav
Capture Page Screenshot  ${base_project_time}
Click on "Files" in projectnav
Capture Page Screenshot  ${base_project_files}
Click link  css=a[href$='files/0']
Wait for data loading
Capture Page Screenshot  ${base_project_file}
Click on "Categories" in projectnav
Capture Page Screenshot  ${base_project_categories}
Click link  css=a[href$='categories/0']
Wait for data loading
Capture Page Screenshot  ${base_project_category}
Click on "People" in projectnav
```

```
Capture Page Screenshot  ${base_project_people}
Click link  First#0 Last
Wait for data loading
Capture Page Screenshot  ${base_project_person}
Test user logout
Capture Page Screenshot  ${base_logout}
```

4.3 Acceptance tests keywords

4.3.1 go to my profile page

Go to my profile page thru the user actions menu.

```
Click link  First Last
Click link  My profile
Location should be  ${APP_URL}/#me
```

4.3.2 my info be visible

Check if page contains user info.

```
Page should contain element  link=name@domain.com
Page should contain element  link=example
Page should contain  Mobile phone: +000 (00) 000-0000
Page should contain  Home phone: +000 (00) 000-0001
Page should contain  Fax phone: +000 (00) 000-0002
Page should contain  Office phone: +000 (00) 000-0003
Page should contain  Time zone: Europe/Kiev
```

4.3.3 an projects page

Go to projects page.

```
Given Test user login
 Then click link  Projects
```

4.3.4 click on ${text} in ${state} state

Click on link in state block.

```
click on ${text} in ${state}    Click on ${text} in ${state} state and wait effect
```

4.3.5 link to ${name} should be visible

Check if link is visible.

```
link to ${name}    Element Should Be Visible  link=${name}
```

4.3.6 link to ${name} should not be visible

Check if link is not visible.

```
link to ${name}    Element Should Not Be Visible  link=${name}
```

4.3.7 an bb-classic app

Go to application page.

```
an bb-classic app
    Test user login
```

4.3.8 an bb-classic app login page

Go to application login page.

```
an bb-classic app login page
    Reload Page Until  Location should contain  login
    Page should contain  BB
    Title should be  BB
```

4.3.9 enter ${name} field

Enter “test” text in input field.

```
enter ${name}    Input Text  name=${name}  test
```

4.3.10 click on ${name} link in navbar

Click on link in navbar.

```
click on ${name}    Click link  xpath=//*[contains(@class,"navbar")]//a[contains(text(),${name})]
```

4.3.11 heading should be ${heading}

Check if heading contain text.

```
heading should be ${heading}
    Page should contain element  xpath=//h1[contains(text(),${heading})]
```

4.3.12 Wait for data loading

Waiting for loading data from server.

```
    Wait Until Keyword Succeeds  10 sec  0.1 sec  Element Should Not Be Visible  css=.alert
```

4.3.13 Click on ${text} in ${state} state and wait effect

Switch state filter, wait, click on link in state block and wait.

```
Click on ${text} in ${state}    Click link  ${state}
    Wait Until Keyword Succeeds  5 sec  0.1 sec  Element Should Be Visible  xpath=//*[@id="projects_
    Click element  xpath=//*[@id="projects_${state}"]//a[contains(text(),${text})]
    Wait Until Keyword Succeeds  5 sec  0.1 sec  Element Should Be Visible  xpath=//*[@id="projects_
```

4.3.14 Click on ${text} in projectnav

Click on link in project navigation.

```
Click on ${text}    Click element  xpath=//*[contains(@class,"projectnav")]//a[contains(text(),${text
    Wait for data loading
```

4.3.15 Start app

Start application.

```
    ${PRO_TEST} =  Get Environment Variable  PRO_TEST  False
    Run Keyword If  '${PRO_TEST}' != 'True'  Start Process  bin/dev_appserver app --skip_sdk_update_
```

4.3.16 Start Browser For Test

Start browser.

```
    Start browser
    Set Window Size  1024  768
```

4.3.17 Close All Browsers and Report Status

Close browser and report test status.

```
    Close All Browsers
    Report test status
```

4.3.18 Stop app

Stop application.

```
    Run  pkill -f dev_appserver
    ${out} =  Read Process Output
    Append to file  app.log  ${out}
    Stop All Processes
```

4.3.19 Reload Page Until

Reload page 10 times until condition wil be true.

```
: FOR  ${try}  IN RANGE  10
\    ${status}=  Run Keyword And Ignore Error  @{condition}
\    ${raise error}=  Set Variable If  ${status}[0]=='PASS'  'False'  'True'
\    Run Keyword If  ${status}[0]=='PASS'  Exit For Loop
\    Sleep  1
\    Reload Page
Run Keyword If  ${raise error}=="True"  Fail  "${condition}"
```

4.3.20 Test user login

Login by test user.

```
Reload Page Until  Location should contain  login
Input Text  name=subdomain  test
Input Text  name=username  test
Input Password  name=password  test
Click button  Log in
Sleep  2
Wait Until Page Contains  First Last  15 sec
```

4.3.21 Test user logout

Logout.

```
Click link  First Last
Click link  Logout
Click link  log in
```

4.3.22 Start browser

Prepare environment and start browser.

```
${BROWSER} =  Get Environment Variable  ROBOT_BROWSER  Firefox
${REMOTE_URL} =  Get Environment Variable  ROBOT_REMOTE_URL  ${REMOTE_URL}
${BUILD_MANUAL} =  Evaluate  random.randint(0,10**6)  random
${BUILD_NUMBER} =  Get Environment Variable  ROBOT_BUILD_NUMBER  manual-${BUILD_MANUAL}
${DESIRED_CAPABILITIES} =  Get Environment Variable  ROBOT_DESIRED_CAPABILITIES  platform:Linux
${BUILD_TAGS} =  Evaluate  " ".join(${TEST_TAGS})
${BUILD_INFO} =  Set variable  build:${BUILD_NUMBER},name:${TEST_NAME},tags:${BUILD_TAGS},public
Open browser  ${APP_URL}  ${BROWSER}  remote_url=${REMOTE_URL}  desired_capabilities=${DESIRED_CA
Run keyword unless  '${REMOTE_URL}' == ''  Run keyword and ignore error  Set session id
```

4.3.23 Set session id

Get session id and set variable.

```
Keyword should exist  Get session id
${SESSION_ID} =  Get session id
Set test variable  ${SESSION_ID}  ${SESSION_ID}
```

4.3.24 Report test status

Report test status to saucelabs.

```
Run keyword unless  '${SESSION_ID}' == ''  Report sauce status  ${SESSION_ID}  ${TEST_STATUS}
```

4.3.25 an time report page

```
Given an bb-classic app
 When click on "Time" link in navbar
 Then wait for data loading
```

4.3.26 an project time page

```
Given an bb-classic app
 When click link  Name of #0
  And click on "Time" in projectnav
 Then wait for data loading
```

4.3.27 user add time entry

user can add time entry

```
Wait Until Page Contains Element  css=tr.addtime button.add
Input Text  css=tr.addtime [name="description"]  added description
Click Button  css=tr.addtime button.add
```

4.3.28 page should contain added entry

added item should be present

```
Wait Until Page Contains  added description
```

4.3.29 user edit time entry

user can edit time entry

```
Wait Until Page Contains Element  css=tr[data-id="0"] button.edit
Click Button  css=tr[data-id="0"] button.edit
Wait Until Page Contains Element  css=tr.edittime[data-id="0"] [name="description"]
Input Text  css=tr.edittime[data-id="0"] [name="description"]  edited description
Click Button  css=tr[data-id="0"] button.save
```

4.3.30 page should contain edited entry

edited item should be present

```
Wait Until Page Contains  edited description
```

4.3.31 user delete time entry

user can delete time entry

```
Wait Until Page Contains Element  css=tr[data-id="0"] button.remove
Click Button  css=tr[data-id="0"] button.remove
```

4.3.32 page should not contain deleted entry

deleted item should not be present

```
Page should not contain  edited description
```

4.3.33 user sort time entries

sort time entries by date

```
Click Element  xpath=//table/thead/tr/th[contains(text(), "date")]
```

4.3.34 page should contain sorted entries

time entries must be sorted

```
Page should contain  2012-12-24
Page should not contain  2001-01-01
```

4.3.35 an to-dos page

```
an to-dos page
    Given an bb-classic app
     When click on "To-Dos" link in navbar
     Then wait for data loading
      And heading should be "My to-dos"
```

4.3.36 an project todos page

```
    Given an bb-classic app
     When click link  Name of #0
      And click on "To-Dos" in projectnav
     Then wait for data loading
```

4.3.37 user add todo list

user can add todo list

```
Click button  Add an item
Input Text  todoName  added todo list
Input Text  todoDescription  added descrition
Click Button  css=button.add
```

4.3.38 page should contain added todo list

added item should be present

```
Wait Until Page Contains  added todo list
Wait Until Page Contains  added descrition
```

4.3.39 user edit todo list

user can edit todo list

```
Click Element  css=.todolist.edititem[data-id="30"]
Input Text  todoName30  edited todo list
Input Text  todoDescription30  edited descrition
Click Button  css=button.save
```

4.3.40 page should contain edited todo list

edited item should be present

```
Wait Until Page Contains  edited todo list
Wait Until Page Contains  edited descrition
```

4.3.41 user delete todo list

user can delete todo list

```
Click Element  css=.todolist.removeitem[data-id="30"]
```

4.3.42 page should not contain deleted todolist

deleted item should not be present

```
Page should not contain  edited todo list
Page should not contain  edited description
```

4.3.43 user add todo item

user can add todo item

```
Click button  Add an item
Input Text  todoContent  added todo item
Click Button  css=button.add
```

4.3.44 page should contain added todo item

added item should be present

```
Wait Until Page Contains  added todo item
```

4.3.45 user edit todo item

user can edit todo item

```
Click Element  css=.todo.edititem[data-id="30"]
Input Text  todoContent30  edited todo item
Click Button  css=button.save
```

4.3.46 page should contain edited todo item

edited item should be present

```
Wait Until Page Contains  edited todo item
```

4.3.47 user delete todo item

user can delete todo item

```
Click Element  css=.todo.removeitem[data-id="30"]
```

4.3.48 page should not contain deleted todoitem

deleted item should not be present

```
Page should not contain  edited todo item
```

4.3.49 an project calendar page

```
Given an bb-classic app
 When click link  Name of #0
  And click on "Calendar" in projectnav
 Then wait for data loading
```

4.3.50 user edit calendar entry

user can edit calendar entry

```
Wait Until Page Contains Element  css=.edititem[data-id="0"]
Click Element  css=.edititem[data-id="0"]
Wait Until Page Contains Element  css=.editcalendar[data-id="0"] [name="title"]
Input Text  css=.editcalendar[data-id="0"] [name="title"]  edited title
Click Button  css=[data-id="0"] button.save
```

4.3.51 page should contain edited entry

edited item should be present

```
Wait Until Page Contains  edited title
```

4.3.52 user delete calendar entry

user can delete calendar entry

```
Wait Until Page Contains Element  css=.removeitem[data-id="0"]
Click Element  css=.removeitem[data-id="0"]
```

4.3.53 page should not contain deleted entry

deleted item should not be present

```
Page should not contain  edited title
```

4.3.54 Keywords for tests

keywords.**compare_screenshot_to_base**(*baseline*, *diff=100*)

Calculate the exact difference between two images.

Parameters

- **baseline** (*string*) – [required] base screenshot to compare
- **diff** (*int*) – value of maximum difference

Example:

```
Compare screenshot to base  base_screenshot.jpg
```

keywords.**get_session_id**()

Get session id

Returns session id

Return type string

Example:

```
${SESSION_ID} =  Get Session Id
```

keywords.**report_sauce_status**(*job_id*, *test_status*)

Report test status to Sauce service

Parameters

- **job_id** (*string*) – [required] saucelabs job id
- **test_status** (*string*) – [required] status of test

Returns request status code

Return type int or string

Example:

```
Report sauce status  ${SESSION_ID}  ${TEST_STATUS}
```

keywords.**set_window_size**(*width*, *height*)

Sets the *width* and *height* of the current window to the specified values.

Parameters

- **width** (*string*|*int*) – [required] window width

- **height** (*string|int*) – [required] window height

Example:

```
Set Window Size  ${800}  ${600}
```

4.4 Acceptance tests settings

```
Library  Selenium2Library  timeout=15  implicit_wait=0.1

Resource  keywords.txt

Suite Setup  Start app

Suite Teardown  Stop app

Test Setup  Start Browser For Test

Test Teardown  Close All Browsers and Report Status
```

4.5 Acceptance tests variables

```
${PORT} =  8080
${DOMAIN} =  localhost
${APP_URL} =  http://${DOMAIN}:${PORT}
${base_path} =  docs/
${base_login} =  ${base_path}login.png
${base_logout} =  ${base_path}logout.png
${base_mypage} =  ${base_path}mypage.png
${base_projects} =  ${base_path}projects.png
${base_companies} =  ${base_path}companies.png
${base_company} =  ${base_path}company.png
${base_time_report} =  ${base_path}time_report.png
${base_todos} =  ${base_path}todos.png
${base_people} =  ${base_path}people.png
${base_person} =  ${base_path}person.png
${base_project_overview} =  ${base_path}project_overview.png
${base_project_messages} =  ${base_path}project_messages.png
${base_project_todos} =  ${base_path}project_todos.png
${base_project_calendar} =  ${base_path}project_calendar.png
${base_project_time} =  ${base_path}project_time.png
${base_project_files} =  ${base_path}project_files.png
${base_project_categories} =  ${base_path}project_categories.png
${base_project_people} =  ${base_path}project_people.png
${base_project_message} =  ${base_path}project_message.png
${base_project_todolist} =  ${base_path}project_todolist.png
${base_project_todo} =  ${base_path}project_todo.png
${base_project_calendar_entry} =  ${base_path}project_calendar_entry.png
${base_project_file} =  ${base_path}project_file.png
${base_project_category} =  ${base_path}project_category.png
${base_project_person} =  ${base_path}project_person.png
${base_project_message_comments} =  ${base_path}project_message_comments.png
```

```
${base_project_calendar_entry_comments} =  ${base_path}project_calendar_entry_comments.png
${base_project_todo_comments} =  ${base_path}project_todo_comments.png

${REMOTE_URL} =
${SESSION_ID} =
```

CHAPTER

FIVE

INDICES AND TABLES

- *genindex*
- *modindex*
- *search*

b

c

k