

After starting the docker container the application is accessible at <http://localhost:3000/addressbook>.

If you are using Docker Toolbox replace *localhost* with the IP you see on the console when Docker Toolbox is active.

/* login scenarios. */

TestLoginValid,

User tries to log in in the AddressBook application with valid credentials.

OPEN LoginPage -> INSERT User "admin" -> INSERT Password "secret" => CLICK "Login" -> ASSERT: IS the "(admin)" displayed in the top right corner of the page?

TestLoginInvalid,

User tries to log in in the AddressBook application with invalid credentials.

OPEN LoginPage -> INSERT User "Root" -> INSERT Password "pass" => CLICK "Login" -> ASSERT: Are the "User:" and "Password:" labels still displayed?

TestLoginEmpty,

User tries to log in in the AddressBook application with empty credentials.

OPEN LoginPage -> CLICK "Login" -> ASSERT: Are the "User:" and "Password:" labels still displayed?

TestLogout,

User tries to log out from the AddressBook application.

OPEN LoginPage -> INSERT User "admin" -> INSERT Password "secret" -> CLICK "Login" -> CLICK "Logout" -> ASSERT: Are the "User:" and "Password:" labels displayed?

/* add entry scenarios */

TestAddEntryValid,

User tries to add a new Entry in the addressbook.

OPEN LoginPage -> INSERT User "admin" -> INSERT Password "secret" => CLICK "Login" -> CLICK "add new" -> CLICK "Next" -> INSERT reasonable values for First name, Last name, Address, Mobile, Email -> CLICK "Enter" -> ASSERT: Are the inserted First name, Last name, Address, Mobile, Email correctly displayed in the table?

POST Test Task: DELETE Manually the inserted Entry by clicking on the pencil in the table row and then the button Delete in the page that appears next.

TestAddEntryWithEmpty{FIELD} 5 test cases: FIELD = {First name, Last name, Address, Mobile, Email},

User tries to add a new Entry in the addressbook leaving a field empty (among First name, Last name, Address, Mobile, Email).

OPEN LoginPage -> INSERT User "admin" -> INSERT Password "secret" => CLICK "Login" -> CLICK "add new" -> CLICK "Next" -> INSERT reasonable values for First name, Last name, Address, Mobile, Email BUT leave the {FIELD} field empty -> CLICK "Enter" -> ASSERT: In the home page, are the inserted First name, Surname, Address, Mobile, Email correctly displayed in the table (including the {FIELD} field that must be empty)?

POST Test Task: DELETE Manually the inserted Entry by clicking on the pencil in the table row and then the button Delete in the page that appears next.

/* modify entry scenarios */

TestModifyEntryFIELD}, 5 test cases: FIELD = {First name, Last name, Address, Mobile, Email}

User tries to modify an existing Entry

OPEN LoginPage -> INSERT User "admin" -> INSERT Password "secret" => CLICK "Login" -> CLICK "add new" -> CLICK "Avanti" -> INSERT reasonable values for First name, Last name, Address, Mobile, Email -> CLICK "Enter" -> CLICK the Pencil icon displayed for the inserted Entry -> Modify the {FIELD} field value -> CLICK "Update" -> ASSERT: In the home page, is the {FIELD} updated (i.e., contains the new value)?

POST Test Task: DELETE Manually the inserted Entry by clicking on the pencil in the table row and then the button Delete in the page that appears next.

/* search entry scenarios */

TestSearchEntryExisting,

User searches for an existing Entry in the addressbook.

OPEN LoginPage -> INSERT UserName "admin" -> INSERT Password "secret" => CLICK "Login" -> CLICK "add new" -> CLICK "Next" -> INSERT reasonable values for First name, Last name, Address, Mobile, Email -> CLICK "Enter" -> TYPE the First name and Last name of the inserted entry in the search field (Home page, the field below the menu bar) -> ASSERT: In the home page, is the entry the sole result shown in the table?

TestSearchEntryNotExisting,

User searches for a non-existing Entry in the addressbook.

OPEN LoginPage -> INSERT User "admin" -> INSERT Password "secret" => CLICK "Login" -> TYPE the First name and Last name (Home page, the field below the menu bar) they must be different from the ones of any entry in the addressbook -> ASSERT: In the home page, no results are displayed?

POST Test Task: DELETE Manually the Entry inserted with the previous test case by clicking on the pencil in the table row and then the button Delete in the page that appears next.

/* order entry scenarios */

TestOrderByName,

User wants to order entries by name.

OPEN LoginPage -> INSERT User "admin" -> INSERT Password "secret" => CLICK "Login" -> REPEAT FOR (Name = "a" and "z")
 {CLICK "add new" -> CLICK "Next" -> INSERT First name = {"a" or "z"} and reasonable values for Last name, Address, Mobile, Email -> CLICK "Enter"}
-> CLICK on the Table head (Name column*) to alphabetically order the entries (from A to Z) -> ASSERT that "a" entry is the first in the table -> CLICK again on the Table head (Name column) to order the entries in the reverse order (from Z to A) -> ASSERT that "z" entry is the first in the table

POST Test Task: DELETE Manually all the inserted Entries by clicking on the pencil in each table row and then the button Delete in the page that appears next.

* if the locator generator does not work, a possible locator is
 /html/body/div[1]/div[4]/form[2]/table/tbody/tr[1]/th[3]/a

/* delete entry scenarios */

TestDeleteOneEntry,

User tries to delete the first entry displayed in the table in the home page

OPEN LoginPage -> INSERT User "admin" -> INSERT Password "secret" => CLICK "Login" -> CLICK "add new" -> CLICK "Next" -> INSERT reasonable values for First name, Last name, Address, Mobile, Email -> CLICK "Enter" -> CLICK the Pencil icon displayed for the inserted Entry -> CLICK "Delete" -> ASSERT: the inserted entry has been deleted.

TestDeleteAllEntries,

User tries to delete all the entries displayed in the table in the home page

OPEN LoginPage -> INSERT User "admin" -> INSERT Password "secret" => CLICK "Login" -> REPEAT TWICE {CLICK "add new" -> CLICK "Next" -> INSERT reasonable values for First name, Last name, Address, Mobile, Email -> CLICK "Enter"}
-> FOR EACH of the N ENTRIES {CLICK the Pencil icon displayed for the Entry -> CLICK "Delete"} -> ASSERT: the number of entries is 0 (see the label *Number of results* above the table).