Note: All tests were done concurrently in Mozilla Firefox and Google Chrome. Results were consistent on both platforms. (Compatibility Testing)

1 Conformance and Function Testing

FUN-TST1: Account creation

1. E-mail is incorrectly entered.
   An error message is displayed, prompting the user to enter a valid e-mail address. (Expected Output)

2. Account creation fields are left blank.
   If any fields are left empty, a message will appear next to each empty field which informs the user that the field is required. (Expected Output)

3. An e-mail already in use has been entered.
   No notification is made unless all other fields are entered, which causes a notification stating the e-mail is already is use. (Expected Output)

4. All fields are correctly entered.
   A user account is created and the user is kept on the registration page. (**Incorrect: Should be sent to home page**)

FUN-TST2: Account login

1. E-mail field is incorrectly entered.
   No note is made about the invalid e-mail, unless a password is entered. In that case, a message is displayed stating the e-mail is not in the database. (Contained in Case 2.2)

2. E-mail is not contained in the `ConMan` database.
   A notification appears stating the e-mail does not exist in the database. (Expected Output)

3. The password and e-mail combination do not match.
   An error message appears stating the password is incorrect. (Expected Output)

4. The password or e-mail fields are left blank.
   The user is told that the blank fields are required. (Expected Output)

5. The password and e-mail combination are valid.
   The user is logged in and redirected to the `ConMan` home page. (Expected Output)

FUN-TST3: Team Creation

1. Team e-mail field is incorrectly entered.
   Email field is unchangeable?

2. The password or e-mail fields are left blank.
   No password field?

3. The e-mail field is valid and all other entries are included.
   A team is created and the user is automatically added to the team as its administrator. (Expected Output)

FUN-TST4: Add team members

1. E-mail field is incorrectly entered.
   The user is prompted for a valid e-mail address. (Expected Output)

2. The e-mail field is valid but no user with that e-mail is associated with a `ConMan` account
   An error is displayed which says that the user must be in the `ConMan` database to be added. (Expected Output)

3. The e-mail field is valid and all other entries are included
   The user is notified that the other user has been added to the team. They can now both see the team in their `ConMan` accounts. (Expected Output)

FUN-TST5: Add tasks

1. Alice is in her basic context when she clicks "add task."

   - Alice leaves a required field blank.
     There does not seem to be a "basic context" for anyone, and users cannot add tasks to Teams of which they are not an admin.
   - The date manually entered by Alice was for some point in the past.

- The e-mail field is valid and all other entries are included.

Alice is in her "Task-buster Trio" context when she clicks "add task."

- Alice leaves a required field blank.
An error message appears next to all required fields, prompting that empty fields should be included. (Expected Output)

- The date manually entered by Alice was for some point in the past.
The task is created, but the actual date entered for the task is changed to the time of task creation. (**Incorrect; an error should appear prompting for a date in the future**)

- The e-mail field is valid and all other entries are included.
When all entries are filled in, the task is created and viewable by the user on other pages. (Expected Output; **No email field?**)

2 Security Testing

1. SEC-TEST-1: Attempt to access and page in `ConMan` without being signed-in.
The client is unable to access any page except for the registration page. (Expected Output)

2. SEC-TEST-2: Attempt to access any page in `ConMan` when signed-in.
The user is able to access any page in `ConMan` while signed-in. (Expected Output)

3. SEC-TEST-3: Attempt to update or delete a team of which the user is not the administrator.
Neither updates nor deletions are allowed for a team in which the user does not have administrator privileges. (Expected Output)

4. SEC-TEST-4: Attempt to create, update, or delete a task associated with a team that the user does not have administrator privileges.
The user is not allowed to perform any of the above operations for a team which they do not have administrator privileges. (Expected Output)

5. SEC-TEST-5: Attempt to assign/un-assign users from tasks associated with a team that the user does not have administrator privileges. User assignment and un-assignment are disallowed for a team if the user does not have administrator privileges. (Expected Output)

6. SEC-TEST-6: Attempt to create notes for tables that the user does not have administrator rights. Notes cannot be added if the user lacks administrator privileges for the team. (Expected Output)