| Specifications | | |
| --- | --- | --- |
| Input | Expected Output | Notes |
| name: “John Doe”, email: “a string”, username: “JD1”, password: “password”, student\_id: “1”, gender: “a string”, campus: “a string” | A user object in the database with all the respective values for each corresponding variable. | No restrictions on input, with the exception of format. |
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|

| User | |
| --- | --- |
| Test Case Number | Test Case 1 |
| Test Case Name | Create User BB |
| Test Type (White Box or Black Box) | Black box test |
| Test Description | We are creating a user object in the database and verifying its existence by attempting to access that user’s profile page and attempting to log in as that user. |
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| Procedural Steps | |
| --- | --- |
| Step 1 | Open MongoDB Compass |
| Step 2 | Access database “4770TeamProject” |
| Step 3 | Access schema “users” |
| Step 4 | Click “INSERT DOCUMENT” |
| Step 5 | Insert all necessary variable names and values |
| Step 6 | Click “INSERT” |
| Step 7 | Console node app.js |
| Step 8 | Load webpage localhost:3000 |
| Step 9 | Login as Username: JD1, Password: password |
| Step 10 | Load webpage localhost:3000/profile/{id of new user} |

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| --- | --- |
| Actual Output | Pass/Fail |
|  |  |
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| Specifications | | |
| --- | --- | --- |
| Input | Expected Output | Notes |
| name: “Jane Doe”, email: “email@mun.ca”, username: “JD2”, password: “password”, student\_id: “1”, gender: “Female”, campus: “stjohns” | A user object in the database with all the respective values for each corresponding variable. | Input restrictions apply. |
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| User | |
| --- | --- |
| Test Case Number | Test Case 2 |
| Test Case Name | Create User WB |
| Test Type (White Box or Black Box) | White box test |
| Test Description | We are creating a user object in the UI and verifying its existence by attempting to access that user’s profile page and attempting to log in as that user. |
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| Procedural Steps | |
| --- | --- |
| Step 1 | Console node app.js |
| Step 2 | Load webpage localhost:3000 |
| Step 3 | Register user with all necessary values |
| Step 4 | Login as Username: JD2, Password: password |
| Step 5 | Click “My Profile” |
| Step 6 | Refresh MongoDB Compass |
| Step 7 | Verify values are correct in database |
| Step 8 |  |
| Step 9 |  |
| Step 10 |  |

|  |  |
| --- | --- |
| Actual Output | Pass/Fail |
|  |  |
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| Specifications | | |
| --- | --- | --- |
| Input | Expected Output | Notes |
| Load webpage localhost:3000/profile/{id of John Doe} | The profile page for John Doe, reading “John Doe’s Profile” and “John Doe’s Friends” with “No friends to show.” | When logged in as Jane Doe, “+Add Friend” button should also be present. |
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| User | |
| --- | --- |
| Test Case Number | Test Case 3 |
| Test Case Name | View Another Profile |
| Test Type (White Box or Black Box) | White box test |
| Test Description | We are accessing the profile of John Doe while logged out, and then again while logged in as Jane Doe. |
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| Procedural Steps | |
| --- | --- |
| Step 1 | Console node app.js |
| Step 2 | Load webpage localhost:3000/profile/{id of John Doe} |
| Step 3 | Click “Login” |
| Step 4 | Login as Username: JD2, Password: password |
| Step 5 | Load webpage localhost:3000/profile/{id of John Doe} |
| Step 6 | Verify changes to page in both circumstances (logged in as different user, logged out |
| Step 7 |  |
| Step 8 |  |
| Step 9 |  |

|  |  |
| --- | --- |
| Actual Output | Pass/Fail |
|  |  |
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| Specifications | | |
| --- | --- | --- |
| Input | Expected Output | Notes |
| Click “+Add Friend”, Logout, Login as John Doe, click “My Profile”, accept friend request | After requesting, both users should now have an attribute “friends”, with one object, whose id is identical to the id of the user they are meant to be friends with. | After requesting, status should be “requested” for John Doe in Jane Doe’s friends and “pending” for vice versa. After accepting, it should be “accepted” for both. |
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| User | |
| --- | --- |
| Test Case Number | Test Case 4 |
| Test Case Name | Request Friend/Add Friend |
| Test Type (White Box or Black Box) | White Box test |
| Test Description | We are logging in as Jane Doe and attempting to add John Doe as a friend. Before accepting the friend request while logged in as John Doe, we are verifying the objects in the database. Finally, we will accept the friend request as John Doe and again verify the object in the database. |
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| Procedural Steps | |
| --- | --- |
| Step 1 | Login as Username: JD2, Password: password |
| Step 2 | Load webpage localhost:3000/profile/{id of John Doe} |
| Step 3 | Click “+Add Friend” |
| Step 4 | Verify values are correct in database |
| Step 5 | Click “My Profile” |
| Step 6 | Refresh MongoDB Compass. |
| Step 7 | Verify values are correct in database |
| Step 8 | Logout. |
| Step 9 | Login as Username: JD1, Password: password |
| Step 10 | Click “My Profile” |
| Step 11 | Click “+Add Friend” under “My Friend Requests” |

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| --- | --- |
| Actual Output | Pass/Fail |
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| Specifications | | |
| --- | --- | --- |
| Input | Expected Output | Notes |
| userId: “a string”, author: “John Smith”, text: “This is a post.”, date: “This is the date.”, image: “0”, visible: “0” | A post object is created in the database with all the respective values for each corresponding variable. | No input restrictions apply. |
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| Post | |
| --- | --- |
| Test Case Number | Test Case 5 |
| Test Case Name | Create Post BB |
| Test Type (White Box or Black Box) | Black box test |
| Test Description | We are creating a post in the database and verifying its existence by logging in as John Doe and viewing it on the dashboard. |
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| Procedural Steps | |
| --- | --- |
| Step 1 | Open MongoDB Compass |
| Step 2 | Access database “4770TeamProject” |
| Step 3 | Access schema “users” |
| Step 4 | Click “INSERT DOCUMENT” |
| Step 5 | Insert all necessary variable names and values |
| Step 6 | Click “INSERT” |
| Step 7 | Console node app.js |
| Step 8 | Load webpage localhost:3000 |
| Step 9 | Login as Username: JD1, Password: password |
| Step 10 | View post and verify its values |

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| --- | --- |
| Actual Output | Pass/Fail |
|  |  |
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|

| Specifications | | |
| --- | --- | --- |
| Input | Expected Output | Notes |
| text: “This is a post.” | A post object in the database with all the respective values for each corresponding variable. | All other inputs from Test Case 5 are automatic. userId will be John Doe’s user id, the date will be the current date, etc. |
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| Post | |
| --- | --- |
| Test Case Number | Test Case 6 |
| Test Case Name | Create Post WB |
| Test Type (White Box or Black Box) | White box test |
| Test Description | We are creating a post object in the UI, while logged in as John Doe, and verifying its existence by viewing it on the dashboard. |
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| Procedural Steps | |
| --- | --- |
| Step 1 | Console node app.js |
| Step 2 | Load webpage localhost:3000 |
| Step 3 | Login as Username: JD1, Password: password |
| Step 4 | Click “Create Post” |
| Step 5 | Enter text and click “Post” |
| Step 6 | Verify values are correct in database |
| Step 7 |  |
| Step 8 |  |
| Step 9 |  |
| Step 10 |  |

|  |  |
| --- | --- |
| Actual Output | Pass/Fail |
|  |  |
|
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| Specifications | | |
| --- | --- | --- |
| Input | Expected Output | Notes |
| text: “This is an edited post.” | The post will be changed. When logged in as Jane Doe, we will be unable to edit John Doe’s post. |  |
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| Post | |
| --- | --- |
| Test Case Number | Test Case 7 |
| Test Case Name | Edit Post |
| Test Type (White Box or Black Box) | White box test |
| Test Description | We are editing the text of a post we already created as John Doe. We will then login as Jane Doe and verify that we cannot edit that post. |
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| Procedural Steps | |
| --- | --- |
| Step 1 | Console node app.js |
| Step 2 | Load webpage localhost:3000 |
| Step 3 | Login as Username: JD1, Password: password |
| Step 4 | Click “Edit Post” on post from Test Case 6 |
| Step 5 | Enter text and click “Post” |
| Step 6 | Logout |
| Step 7 | Login as Username: JD2, Password: password |
| Step 8 | Verify Jane Doe cannot edit John Doe’s post |
| Step 9 |  |
| Step 10 |  |

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| --- | --- |
| Actual Output | Pass/Fail |
|  |  |
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| Specifications | | |
| --- | --- | --- |
| Input | Expected Output | Notes |
| postId: {Post created in Test Case 6’s id}, userId: “a user”, text: “This is a comment.”, date: “This is a date.”, author: “John Smith”, isEdited: “doesn’t matter” | A comment object is created in the database with all the respective values for each corresponding variable. | If the comment was not given the postId of a valid post, it would only be visible in the database. |
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| Comment | |
| --- | --- |
| Test Case Number | Test Case 8 |
| Test Case Name | Create comment BB |
| Test Type (White Box or Black Box) | Black Box test |
| Test Description | We are creating a post in the database with associated postId of the post made in Test Case 6, and verifying its existence by logging in as John Doe and viewing it on the dashboard. |
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| Procedural Steps | |
| --- | --- |
| Step 1 | Console node app.js |
| Step 2 | Load webpage localhost:3000 |
| Step 3 | Login as Username: JD1, Password: password |
| Step 4 | Click “Edit Post” on post from Test Case 6 |
| Step 5 | Enter text and click “Post” |
| Step 6 | Logout |
| Step 7 | Login as Username: JD2, Password: password |
| Step 8 | Verify Jane Doe cannot edit John Doe’s post |
| Step 9 |  |
| Step 10 |  |

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| --- | --- |
| Actual Output | Pass/Fail |
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