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| **Course Name**: WEB-450 Mastering the MEAN stack bootcamp | **Date Test Plan Written**: 09/19/2023 |
| **Application Name**: Bobs Computer Repair Shop | **GitHub Repository**: https://github.com/chrisgorham999/bcrs |
| Unit Test Plan | |

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This test verifys if the role guard is working for admin

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| **Test 1** | **Verify landing page** | | | | |
| **Test Objective: Verifies the routing to the landing page works** | | **Developer: Shane Hingtgen**  **Date Tested: 09/16/2023** | | **Peer Tester: Chris Gorham**  **Date Tested:** | |
| **Step:** | **Actions:** | **Step description:** | **Test data:** | **Expected results:** | **Peer tester results:** |
| 1 | Start the application | This is to start our application | Npm start | you will see the terminal populate with some ng build && node ./bin/www and go through some checks |  |
| 2 | Navigate to the landing page | To see if the landing page is there | http://localhost:3000 | We should be routed to the landing page |  |
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| **Test 2** | **Verify 404** | | | | |
| **Test Objective:**  **To test the application if the 404 page works as intended** | | **Developer: Shane Hingtgen**  **Date Tested: 09/16/2023** | | **Peer Tester: Chris Gorham**  **Date Tested:** | |
| **Step:** | **Actions:** | **Step description:** | **Test data:** | **Expected results:** | **Peer tester results:** |
| 1 | type in a route that doesn’t exist | This will check if we get routed to 404 | http://localhost:3000/#/no | Directs us to the 404 page |  |
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| **Test 3** | **Verify 404 return works** | | | | |
| **Test Objective:** | | **Developer: Shane Hingtgen**  **Date Tested: 09/16/2023** | | **Peer Tester: Chris Gorham**  **Date Tested:** | |
| **Step:** | **Actions:** | **Step description:** | **Test data:** | **Expected results:** | **Peer tester results:** |
| 1 | Click on the go back home button | This is to test if the button directs us to a new page | Click button | This button should be directing us to the landing page |  |
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| **Test 4** | **Test the navigation to sign in page** | | | | |
| **Test Objective:**  **This will check the integrity of the sign in form and errors** | | **Developer: Shane Hingtgen**  **Date Tested: 09/16/2023** | | **Peer Tester: Chris Gorham**  **Date Tested:** | |
| **Step:** | **Actions:** | **Step description:** | **Test data:** | **Expected results:** | **Peer tester results:** |
| 1 | Click sign in | Click on the sign in link in the nav bar top right | Click sign in link | Directs us to a sign in form |  |
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| **Test 5** | **Test sign in page return** | | | | |
| **Test Objective:**  **This is to verify we get routed back to the home page** | | **Developer: Shane Hingtgen**  **Date Tested: 09/16/2023** | | **Peer Tester: Chris Gorham**  **Date Tested:** | |
| **Step:** | **Actions:** | **Step description:** | **Test data:** | **Expected results:** | **Peer tester results:** |
| 1 | Click return home | Click on the link return nome below the signin form | Click return home link | We should be back at the home page |  |
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| **Test 6** | **Test the sign in form failures** | | | | |
| **Test Objective:**  **We test the sign in failure messages** | | **Developer: Shane Hingtgen**  **Date Tested: 09/16/2023** | | **Peer Tester: Chris Gorham**  **Date Tested:** | |
| **Step:** | **Actions:** | **Step description:** | **Test data:** | **Expected results:** | **Peer tester results:** |
| 1 | Type in a valid email and click out of the form | Enter in the email address | bob@nodebucket.com | We should see a password is required |  |
| 2 | Delete the email address and type in a password | Enter in a password that’s wrong | asdasd | Should see a password requirements message |  |
| 3 | Delete password | Delete the password and click out of the form | Empty password | Should see password is required message |  |
| 4 | Type in password | Enter in a valid password | Password01 | Should see no error message for password |  |
| 5 | Type in an email/password | type in invalid sign in requirements | Asd/pass | We should see the sign in button be unclickable |  |
| **Test 7** | **Test sign in wrong password** | | | | |
| **Test Objective:**  **We will test the wrong password to check for unauthorized** | | **Developer: Shane Hingtgen**  **Date Tested: 09/16/2023** | | **Peer Tester: Chris Gorham**  **Date Tested:** | |
| **Step:** | **Actions:** | **Step description:** | **Test data:** | **Expected results:** | **Peer tester results:** |
| 1 | Type in email | We need to type in a valid email | bob@nodebucket.com | Password is required |  |
| 2 | Type in password | Type in a valid password | Helloworld21 | And http failure response error 401 |  |
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| **Test 8** | **Test successful sign in on the frontend** | | | | |
| **Test Objective:**  **We will test the frontend sign in form for success** | | **Developer: Shane Hingtgen**  **Date Tested: 09/16/2023** | | **Peer Tester: Chris Gorham**  **Date Tested:** | |
| **Step:** | **Actions:** | **Step description:** | **Test data:** | **Expected results:** | **Peer tester results:** |
| 1 | Type in email | Type a valid email that exists in the DB | [bach@nodebucket.com](mailto:bach@nodebucket.com) | We get a password required message |  |
| 2 | Type in password | Type in the valid password for the email | Password01 | Sign in button gets color and is clickable |  |
| 3 | Press sign in | Press the sign in button so we can sign in | Click button | We are directed to the landing page but can see at the top right an icon shows |  |
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| **Test 9** | **Test for role guard non admin** | | | | |
| **Test Objective:**  **We are testing for a non admin** | | **Developer: Shane Hingtgen**  **Date Tested: 09/16/2023** | | **Peer Tester: Chris Gorham**  **Date Tested:** | |
| **Step:** | **Actions:** | **Step description:** | **Test data:** | **Expected results:** | **Peer tester results:** |
| 1 | Type in email | Type a valid email that exists in the DB | [bach@nodebucket.com](mailto:bach@nodebucket.com) | We get a password required message |  |
| 2 | Type in password | Type in the valid password for the email | Password01 | Sign in button gets color and is clickable |  |
| 3 | Press sign in | Press the sign in button so we can sign in | Click button | We are directed to the landing page but can see at the top right an icon shows |  |
| 4 | click person Icon | Click on the icon at the top right in navbar | Click icon | We should not see a link called employees |  |
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| **Test 10** | **Test for role guard admin** | | | | |
| **Test Objective:**  **Testing to see if the employees shows up as admin** | | **Developer: Shane Hingtgen**  **Date Tested: 09/16/2023** | | **Peer Tester: Chris Gorham**  **Date Tested:** | |
| **Step:** | **Actions:** | **Step description:** | **Test data:** | **Expected results:** | **Peer tester results:** |
| 1 | Type in email | Type a valid email that exists in the DB | [mozart@nodebucket.com](mailto:mozart@nodebucket.com) | We get a password required message |  |
| 2 | Type in password | Type in the valid password for the email | Password01 | Sign in button gets color and is clickable |  |
| 3 | Press sign in | Press the sign in button so we can sign in | Click button | We are directed to the landing page but can see at the top right an icon shows |  |
| 4 | click person Icon | Click on the icon at the top right in navbar | Click icon | We should see a link called employees |  |
| 5 | Click employees | Click on the employees link | Click link | We should see a users lists page with a populated data table of users |  |