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## Features

* Landing and About Us pages
* User authentication (login, logout, roles, access control)
* Shops and individual shop pages
* Items management (viewing, editing, creating, deleting)
* User management (viewing, editing, deleting)
* Access control and error handling for non-existent pages

## Brief

The purpose of these tests is to verify the functionality of various pages and features of the application, ensuring that user authentication, page routing, and CRUD operations perform as expected as per the coursework requirements.

Scope  
Functional Testing was carried out for the following modules:

1. ****Landing page****
2. ****About Us****
3. ****Login****
4. ****Shops****
5. ****Items****
6. ****Users****

## Test Cases

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ****Test ID**** | ****Action**** | ****Expected outcome**** | ****Status**** | ****Evidence**** |
| ****1.1**** | ****localhost:3000**** | ****Landing page loads**** | OK |  |
| ****2.1**** | ****localhost:3000/about**** | ****About us page loads**** | OK |  |
| ****3.1**** | ****Provide correct username and password for registered user and click Sign in button**** | ****User is successfully logged in**** | OK |  |
| ****3.2**** | ****Provide incorrect password for registered user and click Sign in button**** | ****User is redirected back to the login page**** | OK |  |
| ****3.3**** | ****Press log out button**** | ****User is successfully logged out**** | OK |  |
| ****3.4**** | **Provide manager account details** | **User now has access to exclusive ‘Users’ page in the header** | OK |  |
| ****4.1**** | **Localhost:3000/shops** | **Shops page loads** | OK |  |
| ****4.2**** | **Localhost:3000/shops/:name** | **Individual shop page loads** | OK |  |
| ****5.1**** | **Locahost:3000/items** | **Items page loads** | OK |  |
| ****5.2**** | **View items page as authenticated user** | **Additional features such as editing and creating are available** | OK |  |
| ****5.3**** | **Localhost:3000/items/edit/:id** | **Item edit page loads** | OK |  |
| ****5.4**** | **Attempt to edit item** | **Item successfully edited and changes propagate** | OK |  |
| ****5.5**** | **Attempt to delete item** | **Item deleted and changes propagate** | OK |  |
| ****5.6**** | **Attempt to navigate to any /item/ routes which require authentication while not authenticated** | **404** | OK |  |
| ****5.7**** | **Attempt to manually navigate to non-existent item edit page** | **404** | OK |  |
| ****6.1**** | **Attempt to navigate to /users while not logged in** | **404** | OK |  |
| ****6.2**** | **Attempt to navigate to /users while logged in as a volunteer** | **404** | OK |  |
| ****6.3**** | **Attempt to navigate to /users while logged in as a manager** | **Users page loads** | OK |  |
| ****6.4**** | **Localhost:3000/users/edit/:id** | **User edit page loads** | OK |  |
| ****6.5**** | **Attempt to edit user** | **User successfully edited and changes propagate** | OK |  |
| ****6.6**** | **Attempt to delete user** | **User successfully deleted and changes propagate** | OK |  |
| ****6.7**** | **Attempt to log in as deleted user** | **User is redirected back to login page** | OK |  |
| ****6.8**** | **Attempt to manually navigate to non-existent user edit page** | **404** | OK |  |

## Summary

All tests were conducted successfully, with the application performing as expected in each scenario. There were no failures or unexpected behaviours observed. All routes, authentication mechanisms, and CRUD operations functioned correctly according to the specified outcomes.