Unit Testing

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| Case Type | Test | Description | Test Step | Expected Result | Status |
| Authentication & Authorization | TA1 | User Registration test | Go to sign up page, fill registration form | After filling registration form, user will get verification link at specified email | pass |
| TA2 | Verification | Check verification email and click on the link provided to verify | If verified, user will redirect to password set page | pass |
| TA3 | Set Password | In password set page, create password. Only password with Uppercase, Lowercase, Number, Symbol and at least 8 characters are allowed. | Password should be stored in database in encrypted form and user should be redirect into login page. | pass |
| TA4 | Login | Provide login credential in login page. | For Admin, redirect in ADMIN CMS.  For Farmer, redirect in FARMER CMS.  For Consumer, redirect in HOMEPAGE. | pass |
| TA5 | Permission Test | Browse Admin Dashboard URL, while login as User | Block Admin Dashboard and redirect in homepage | pass |
| TA6 | Logout | Click on logout | User should be logged out | pass |
| CMS – Banner Management Testing | TB1 | Banner Create | Go to Banner management in sidebar of admin panel. Click on create and provide necessary information to create banner. | Banner should be created and displayed in homepage. | pass |
| TB2 | Banner List | Go to Banner Management page | There should be list of all the banners created by logged in user | pass |
| TB3 | Banner Update | Click on the yellow pencil icon button at the last column of banner listing and edit the necessary information | The edited information should be reflected. | pass |
| TB4 | Banner Delete | Click on the red trash icon button at the last column of banner listing | Confirmation dialog should appear and upon confirming the related banner data should be deleted from database | pass |
| CMS – Product Management Testing | TP1 | Product Create | Go to Product management in sidebar of admin panel. Click on create and provide necessary information to create product. | Product should be created and displayed in Marketplace. | pass |
| TP2 | Product List | Go to Product Management page | There should be list of all the products created by logged in user | pass |
| TP3 | Product Update | Click on the yellow pencil icon button at the last column of product listing and edit the necessary information | The edited information should be reflected. | pass |
| TP4 | Product Delete | Click on the red trash icon button at the last column of product listing | Confirmation dialog should appear and upon confirming the related product data should be deleted from database | pass |
| CMS – Seed Management Testing | TS1 | Seed Create | Go to Seed management in sidebar of admin panel. Click on create and provide necessary information to create product. | Seed should be created and displayed as product to add on cart when predicted by crop recommendation system. | pass |
| TS2 | Seed List | Go to Seed Management page | There should be list of all the seeds created by logged in user. | pass |
| TS3 | Seed Update | Click on the yellow pencil icon button at the last column of seed listing and edit the necessary information. | The edited information should be reflected. | pass |
| TS4 | Seed Delete | Click on the red trash icon button at the last column of seed listing. | Confirmation dialog should appear and upon confirming the related seed data should be deleted from database. | pass |
| CMS – User Management Testing | TU1 | Create Admin | Login as admin and go to user management. Click on create admin to create a new admin. | New user with role admin should be created. | pass |
| TU2 | User List | Go to User Management page | There should be list of all the Users. | pass |
| TU3 | Seed Update | Click on the yellow pencil icon button at the last column of user listing and edit the necessary information. | The edited information should be reflected. | pass |
| TU4 | Seed Delete | Click on the red trash icon button at the last column of user listing. | Confirmation dialog should appear and upon confirming the related user data should be deleted from database. | pass |
| Add to cart Testing | TAC1 | Product Added to cart | In Marketplace, click add to cart button of any product | A modal for selecting quantity will popped and the product should be added to cart afterward. | pass |
| TAC2 | Product checkout | In cart, select all the product to checkout, enter the delivery address and click checkout | Total should be displayed, and after clicking checkout order should be updated in seller’s profile | pass |
| Order Management Testing | TO1 | Order Listing | Go to order management page | All the new order should be listed | pass |
| TO2 | Mark Dispatched | At the last column, click the mark dispatched button | The order should be completed and completed order should be displayed in transaction page | pass |
| Transaction | TT1 | Transaction Listing | Go to transaction page | All the completed order should be displayed | pass |