**PES UNIVERSITY**

**AUGUST – DECEMBER 2022 SEMESTER 5**

**SOFTWARE ENGINEERING LAB TASKS**

**TEST PLAN**

**SUBMITTED BY**

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**Test cases:**

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| **TEST CASE ID** | **NAME OF MODULE** | **TEST CASE DESCRIPTION** | **PRE-CONDITIONS** | **TEST STEPS** | **TEST DATA** | **EXPECTED RESULTS** | **ACTUAL RESULT** | **TEST RESULT** |
| UT-01 | Landing Page | Testing different browser compatibilities. | Access to browser. | 1.Navigate to website.  2.Resize browser to different sizes with developer tools and pre-set mobile size configurations. |  | Render all components and scale to various browser sizes. | Rendered all components and scaled to various browser sizes as expected. | PASSED |
| UT-02 | User registration module | To test the signing up functionality | Access to browser. | 1.Navigate to sign up.  2.Enter Name, email, Username and Password  3.Click Submit | Name: Admin  Email: admin@email.com  Username: admin  Password: admin | Should reject password and say it is too short. | Rejected password and said it was too short. | PASSED |
| UT-03 | User registration module | To test the signing up functionality | Access to browser. | 1.Navigate to sign up.  2. Enter Name, email, Username and Password  3.Click Submit | Name: Admin  Email: admin@email.com  Username: admin  Password: df23hjka78 | Tell user account has been created and redirect to sign in page. | Said user account had been created and redirected to sign in page. | PASSED |
| UT-04 | User login module | To test the signing in functionality | Access to browser.  Registered account on website. | 1.Navigate to sign in.  2: Enter Username and Password  3: Click Submit | Username: admin  Password: df23hjka78 | Sign in to website, show client homepage. | Signed in to website and showed client homepage. | PASSED |
| UT-05 | Searching and choosing a stock module | To test the search feature functionality. | Access to browser.  Registered account on website.  Signed in. | 1.Navigate to search page  2.Search for a stock. | Stock ticker: TSLA | Show graph of past 50 days of Tesla and information about the stock. | Showed graph of past 50 days of Tesla and information about the stock. | PASSED |
| UT-06 | Searching and choosing a stock module | To test the search feature functionality. | Access to browser.  Registered account on website.  Signed in. | 1. Navigate to search page  2.Search for a stock. | Stock ticker: NOTREALSTOCK | Say that stock searched for is invalid. | Said that stock searched for is invalid. | PASSED |
| UT-07 | Predicting a stock module | To test the predict feature functionality. | Access to browser.  Registered account on website.  Signed in. | 1.Navigate to predict page  2.Predict a stock. | Stock ticker: TSLA | Show graph of past 50 days of Tesla along with next 5 days prediction along with model accuracy and information about the stock. | Showed graph of past 50 days of Tesla along with next 5 days prediction along with the model accuracy and info about the stock. | PASSED |
| UT-08 | Past predictions module | To test the past predictions, feature functionality. | Access to browser.  Registered account on website.  Signed in.  Already predicted some valid stocks. | 1.Navigate to past predictions page. |  | Show list of stocks along with days on which it was predicted along with predictions. | Showed list of stocks along with days on which it was predicted along with predictions. | PASSED |