**Test-cases:**

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| **Test case ID** | **Description** | **Input** | **Expected Output** | **Actual output** | **Pass**  **/Fail** |
| 1 | Data pre-processing testing. The macro enabled excel workbook used for pre-processing should convert the data in the format required. | Raw data | Pre-processed data | Pre-processed data | Pass |
| 2 | Testing admin login authentication | * Username * Password | Successful authentication to upload page | Successful authentication to upload page | Pass |
| 3 | Testing uploading of data through GUI | 1. Selecting appropriate table  2. path where excel sheet is stored  3. Click the upload | Successful uploading of data | Successful uploading of data | Pass |
| 4 | Testing table selection | 1. Selecting appropriate table  2. Path where excel sheet is stored  3. Click the upload button | Excel sheet is successfully uploaded to the selected table in the SQL server | Excel sheet is successfully uploaded to the selected table in the SQL server | Pass |
| 5 | Testing script for uploading data in the database | Script for uploading data | Script executed without any errors | Script executed without any errors | Pass |
| 6 | Testing forecasting script(Movie verdict script) | Script for forecasting-  1. Projected contribution of input parameters  2. Forecasted verdict  3. Region where the movie will do good business.  4.Box office revenue prediction  5. Movie rating | Script executed without any errors | Script executed without any errors | Pass |
| 7 | Testing forecasting script(Release month suggestion script) | Script for suggestion of release month | Script executed without any errors | Script executed without any errors | Pass |
| 8 | Testing movie verdict page | 1. Movie name  2. Genre  3. Release month  4. Director  5. Actor  6. Actress  Click movie prediction button | All input parameters are entered and redirected to Movie forecast page where forecasted outputs will be shown | All input parameters are entered and redirected to Movie forecast page where forecasted outputs will be shown | Pass |
| 9 | Testing of reset form button | Click reset form button | Form gets reset successfully | Form gets reset successfully | Pass |
| 10 | Testing of Movie details page | Enter movie name | Movie details are shown if the movie is present in the database else error is displayed | Movie details are shown if the movie is present in the database else error is displayed | Pass |