Test Approach

1. Types Of Testing
   a. Manual testing and automation testing
2. Level Of Testing
   a. System testing
3. Testing Tools, Methods, And Procedures
   a. For manual testing, I use scenario coverage combining various equivalence class data, here is the scenarios I covered:
      i. Popular make
      ii. Popular model
      iii. Overall rating
      iv. Basic info modification
      v. Additional info modification
      vi. Password reset
      vii. User registration
   b. For automation testing, I use playwright to setup a framework which includes features of following:
      i. Test running against different environments(dev, test, staging, prod)
      ii. Organize test cases by tags (sanity, regression, etc)
      iii. Use "facade" design pattern to make code concise and clear
      iv. Continuous integration support, test cases can be run within docker container
      v. Add timestamp to the end of username and comment which benefits issue triage a lot, especially within pipeline
4. Test Data
   a. Number
   b. String
   c. Non-ascill characters
   d. Html tags
   e. Sql clause
   f. Special characters
   g. Combination of above
5. Bug Reports
   a. https://github.com/mikeywan/playwright-buggy-rating/blob/master/docs/bug_reports.xlsx
6. Automation framework user guide
   a. https://github.com/mikeywan/playwright-buggy-rating/blob/master/docs/playwright_framework_user_guide.pdf