

Final Project-red bus

To create a TestNG framework for testing the bus ticket booking application in multiple environments, you can follow these steps:

Step 1: Set up the Project

- Open Eclipse IDE and create a new Java project.
- Set up the project structure using the Page Object Model (POM) design pattern.
- Configure the project to use TestNG.

Step 2: Set Up TestNG Suite

- Create a TestNG XML suite file (testng.xml) to define the test suite structure.
- Specify the test classes, packages, and methods to include in the suite.
- Configure parameters for different environments in the suite file.

Step 3: Implement Test Cases

- Create test cases using TestNG annotations (@Test, @BeforeClass, @AfterClass, etc.).
- Use Selenium WebDriver to interact with the bus ticket booking application.
- Implement assertions to verify the correctness of the application.

Step 4: Manage Test Data

- Create a separate package for test data.

Use external data sources (e.g., Excel, CSV, properties files) to store test data.

Implement data-driven testing for testing different scenarios.

Step 5: Handle Environments

Use properties files to store environment-specific configurations (e.g., URLs, browser settings).

Implement a configuration manager to read environment-specific properties.

Pass the environment as a parameter to the TestNG suite or configure it within the suite XML.

Step 6: Version Control with Git

Create a .gitignore file to specify files and directories to be ignored in version control.

Initialize a Git repository in your Eclipse project.

Commit your source code to the repository regularly.