

Automation Test Plan :

1.Objectives and Scope:

The objective of this document is to test the functionality of the flight booking for <https://www.yatra.com>

2 Features to be tested

The Regressive features which are to be tested >

1. Login / Registration
2. Flight Search
3. Filters
4. Booking
5. Promo codes
6. Payments
7. Confirmation

3. Features not to be Tested

1. Travel Assistance & Insurance
2. Service Requests

4. Approach

Approach going to follow : **Agile Methodology with scrum.**

1 Types of Testing

- a. Unit Testing
- b. Integration Testing
- c. Load Testing
- d. Security Testing (atop methods / encoding methods)

2. Static Testing

- a. Application browsing
- b. Requirement Analysis
- c. Test Data creation (factory / faker)

3. Dynamic Testing

- a. Smoke Testing : Filters ,Booking,Payments & Confirmation
- b. Functional Testing : Booking & Payments
- c. Retesting and Regression Testing : Login/Registration,Flight Search & Filters
- d. E2E Testing : All modules
- e. Integration Testing : Filters , Booking ,Promo Codes,Payments & Confirmation

4. Automation Testing :

The front end language of [Yatra.com](#) is : Angular JS so will select automation tool accordingly with the help of following points :

Through some [references](#) for automation tools which will help us on following factors :

1. Tool compatibility with Angular
2. Test code maintenance for future changes in dev-languages
3. Support for remote browsing, different browser drivers & Mobile applications
4. Forums availability for issues & examples for Help (<https://stackshare.io> for comparisons)
5. Test Suit structure compatibility & installations
6. Integration with other frameworks.
7. Selenium drivers & methods
8. E2E vs Integration Testing

Came with following tools which support mentioned factor/s :

1. Protractor (E2E framework)
2. [Karma](#)
3. Mocha
4. Chai (can be integrated with Protractor, useful for assertions)
5. Jasmine (can be integrated with Protractor)
6. Angular Mocks (not supporting factor no.2)