Shady Meadows Test Plan Template

Introduction:

* This template is intended to be a guide for creating a test plan based on planned changes to the booking system for Shady Meadows Bed & Breakfast

Scope:

* Define the scope of the work being done and the code being changed. For example, is this a simple UI change? If so, our regression script and UI automation suite should be update. If there is an API change, our API test suite should be updated to reflect and test the new request/response format.
* If there is a major refactoring of code without change in end user functionality, then no tests should be updated, but a regression test should be run on the whole application, or the part of the application that the code touched (e.g. if the refactor only touches the contact submission, only a smoke test of the booking system is required)

Types of Testing required:

* Based on the code changes, the types of test updates here should be defined:
* Are the changes purely back-end? If so unit tests should be updated, performance, load and stress tests should be run
* UI changes—update UI test library
* API changes—update API test library

Environment and Prerequisites:

* Code deployment plan and schedule
* Environment to be used for testing
* Necessary integrations with other products/features or services
* Is DevOps/infrastructure help needed? E.g. is a new VM required, a new database copied from a backup, or a data refresh from a snapshot?
* Will test data be entered after the environment is stood up and if so by whom and how (manual or automated process)

Test Execution:

* Who will perform the testing, or will it be part of a CI/CD process?
* If so will the tests be run by a separate pipeline or as part of the pre-existing deployment pipeline?
* Sample data:
  + Positive test:
    - Booking
      * Both API and UI:
        + First name: FirstnameBookingTest01
        + Last name: LastnameBookingTest01
        + Email: donotreply@betterlesson.com
        + Phone: 555-555-5555
        + Dates: [Current Date] + 30 – [Current Date] + 33
      * UI only:
        + Selecting above dates on the calendar
    - Contact submission (both API and UI):
      * Name: NameContactTest01
      * Email: donotreply@betterlesson.com
      * Phone: 555-555-5555
      * Subject: “Contact Submission Subject”
  + Negative test(s):
    - Booking (both API and UI):
      * First name: null, exceed max field length, fail to meet min field length
      * Last name: null, exceed max field length, fail to meet min field length
      * Email: both null and invalid email, exceed max field length, fail to meet min field length
      * Phone: both null and letters instead of digits, exceed max field length, fail to meet min field length
      * Dates: 0 nights, 360 nights
    - Contact submission (both API and UI):
      * Name: null, exceed max field length, fail to meet min field length
      * Email: both null and invalid email, exceed max field length, fail to meet min field length
      * Phone: both null and letters instead of digits, exceed max field length, fail to meet min field length
      * Subject: null, exceed max field length, fail to meet min field length
      * Message: null, exceed max field length, fail to meet min field length
  + Security tests
    - Input sanitization, try DROP DATABASE *databasename*; in each user-accessible field

Stakeholders:

* Product owner
* BAs
* Lead developer or architect
* Possible infrastructure or devops representative
* QA

UAT testing:

* Will UAT testing be required? If so by whom and in what environment and on what timeline?

Timeline:

* Overall summary of expected start and finish of testing, including any risks or uncertainties

Reporting:

* Defines where and how test results will be reported to stakeholders