

Documentation for Betslip Functionality on bet365

Testing Approach

Objectives

- Verify that a bet can be added to the betslip.
- Ensure that a bet can be removed from the betslip.
- Confirm that the stake amount in the betslip can be updated and the potential returns are recalculated accordingly.

Methodology

1. **Gherkin Syntax:**
 - Use Gherkin language to define test scenarios in a human-readable format, ensuring clarity and collaboration between non-technical and technical team members.
2. **Page Object Model (POM):**
 - Implement the Page Object Model to enhance the maintainability and scalability of test scripts. Each page of the application has a corresponding class containing locators and methods representing actions that can be performed on that page.
3. **Cypress:**
 - Utilize Cypress as the testing framework for writing and executing end-to-end tests due to its powerful features like real-time reloading, automatic waiting, and a user-friendly interface.

Test Scenarios

1. **Add a Bet to the Betslip:**
 - Navigate to the homepage, select a sport, pick a league, and add a match bet to the betslip. Verify that the bet is added.
2. **Remove a Bet from the Betslip:**
 - Add a bet to the betslip first, then remove it. Verify that the betslip is empty.
3. **Update the Stake Amount:**
 - Add a bet to the betslip, update the stake amount, and verify that the amount is updated and the potential returns are recalculated.

Environment Setup

Prerequisites

1. **Node.js:** Node.js v14.17.0 or later
2. **Cypress:** Install Cypress globally or as a dev dependency in your project.
3. **NPM:** npm v6.14.13 or later

Challenges Faced

1. Dynamic Selectors:

Handling dynamic selectors on the bet365 website was challenging. The structure and classes of elements change dynamically based on user interactions and updates to the site. The solution used more robust and unique locators, such as data attributes or visible text, to ensure test stability.

2. Test Data Management:

Ensuring consistent and repeatable test data was necessary to avoid conflicts and ensure reliable test outcomes. Mocking or stubbing data where feasible helped to stabilize the tests.

Conclusion

This document outlines the testing approach, environment setup, and challenges faced while implementing the Cypress tests for the betslip functionality on bet365. By adhering to the Gherkin syntax, the tests are structured to be clear, maintainable, and scalable.