**Sports predictions web & desktop application**

*Test plan*

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Introduction

This test plan is designed for testing the “Bet Expert” web and desktop applications. The applications are designed to allow users to view upcoming sport events and the predictions made by tipsters, and to subscribe to specific tipsters to receive their predictions. The applications also allow tipsters to create predictions for upcoming matches and view their statistics and subscribed users. In addition, an admin can create new competitions, add users, and manage the system.

Test cases

| TC-number | Test Data | Test Name | Use Case | Pre-Condition | Expected Result |
| --- | --- | --- | --- | --- | --- |
| TC-01 | Valid username, email, and password | Successful registration | FR1 | Actor is on the registration page | Actor receives a confirmation message that their registration is successful |
| TC-02 | Empty field(s) in the registration form | Unsuccessful registration | FR1 | Actor is on the registration page | Actor receives a message that they need to fill in all fields |
| TC-03 | Existing username/email in the registration form | Unsuccessful registration | FR1 | Actor is on the registration page | Actor receives a message that the username/email is already being used |
| TC-04 | Valid username and password | Successful login | FR2 | Actor is on the login page | Actor is directed to the home page |
| TC-05  TC-05 | Invalid username/password | Unsuccessful Login | FR2  FR2 | Actor is on the login page | Actor receives a message that there is no such combination of credentials |
| TC-06 | Valid log out button work | Successful logout | FR3 | Actor is logged in | Actor is redirected to the starting page of the application |
| TC-07 | Valid login credentials | View upcoming matches and predictions | FR8 | Actor is logged in | Actor can see upcoming matches and predictions for the chosen match |
| TC-08 | No upcoming matches for a competition | View upcoming matches | FR8 | Actor is logged in | Actor receives a message that there are no upcoming matches |
| TC-09 | No predictions for a specific match | View predictions | FR8 | Actor is logged in | Actor receives a message that there are no predictions for this match |
| TC-10 | Subscription payment successful | Successful subscription | FR10 | Actor is logged in | Actor starts receiving day-by-day predictions from the subscribed tipster |
| TC-11 | Subscription payment unsuccessful | Unsuccessful subscription | FR10 | Actor is logged in | Actor receives a message stating the error |
| TC-12 | Not receiving prediction from the tipster | Report to admin | FR10 | Actor is logged in and subscribed to a tipster | Actor reports the issue to the admin |
| TC-13 | Valid login credentials | Create prediction for a match | FR4, FR5 | Actor is logged in and sees available competitions | Actor creates a prediction and submits it |
| TC-14 | No upcoming competitions/matches for a competition | Create prediction | FR4, FR5 | Actor is logged in and sees available competitions | Actor receives a message that there are no upcoming competitions/matches |
| TC-15 | Analysis longer than 500 characters | Create prediction | FR4, FR5 | Actor is logged in and sees available competitions | Actor receives a message that the analysis is too long |
| TC-16 | Valid login credentials | View statistics and subscribed users | FR6, FR7 | Actor is logged in and sees available competitions | Actor views their statistics and subscribed users |
| TC-17  TC-17 | Success rate is being processed | View statistics and subscribed users | FR6, FR7 | Actor is logged in and sees available competitions | Actor receives a message that their success rate is being processed |
| TC-18 | Subscribed users list is being processed | View statistics and subscribed users | FR6, FR7 | Actor is logged in and sees available competitions | Actor receives a message that their subscribed users list is being processed |