## AFL Stats App Usability Test

### Usability Test Design

#### Success Requirements

The high-level goals that users must be able to achieve for the prototype to be considered successful.

|  |  |
| --- | --- |
| ID | Requirement Description |
| R1 | Users can create a new match by entering the teams. |
| R2 | Users can record live in-game actions for individual players (e.g. kick, handball, tackle, goal, behind). |
| R3 | Users can view live scores and player stats updates during a match. |
| R4 | Users can view and compare individual player statistics (current or previous matches) |
| R5 | Users can view and compare team statistics (current or previous matches). |
| R6 | Users can view match history, including the score and any recorded actions. |

#### Usability Test Tasks

The realistic, goal-based tasks given to test participants, chosen to avoid step-by-step instructions and instead present scenarios to complete.

|  |  |
| --- | --- |
| ID | Task Description |
| T1 | “You are about to officiate a local footy match. Create a new match and enter the two teams that are playing,” |
| T2 | “You are responsible for tracking actions during a live game. Record a kick by player John Smith from Team A” |
| T3 | “Its halftime, and you want to check which player has scored the most points so far.” |
| T4 | “You want to compare how Team A and Team B have performed in disposals and tackles during this match” |
| T5 | “You want to look at how many handballs Team A made in their previous match” |
| T6 | “You want to compare player John Smith and player Ben Jones to see who has scored more points this match” |

#### Usability Requirements and Tasks Matrix

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Task \ Requirement | *R1 Create match* | *R2 Record Actions* | *R3*  *Live Scores* | *R4*  *Player Stats* | *R5*  *Team Stats* | *R6*  *Match History* |
| T1 Create Match | X |  |  |  |  |  |
| T2 Record Kick |  | X |  |  |  |  |
| T3 Compare Tackles |  |  | X | X |  |  |
| T4 Compare Teams |  |  | X |  | X |  |
| T5 Team Disposals |  |  |  |  |  | X |
| T6 Compare Players |  |  |  | X |  |  |
|  |  |  |  |  |  |  |

### Think-aloud Usability Test

#### Participant 1

**Task 1: Create a new match and enter two teams.**

Time Taken: ~20 seconds

Transcription:

* "Okay, Create New Match… right at the top, easy.”
* "Enter team names, I’d go Tigers and Hawks. Done."
* "Oh, so the players are already added?”
* “And start match.”

Notable: N/A

Complete: YES

**Task 2: Record a kick by player John Smith from Team A.**

Time Taken: ~15 seconds

Transcription:

* "Team A dropdown, find John Smith."
* "Click Kick."
* “Ah-huh, confirmation-yeah that makes sense to have.”
* “I don’t really understand why there are record action columns though”
* "Now, I pick 'Kick'. Yep, seems obvious."

Notable: Participant seemed to appreciate that there was clear feedback indicated on the screen (confirmation popup).

Complete: YES

**Task 3: Check which player has scored the most points so far.**

Time Taken: ~20 seconds

Transcription:

* Okay, I’d go to Game Highlights, and yeah, 'Top Points' right there."
* "John Smith is at the top with 16 points. Pretty easy to find."

Notable: No hesitation or confusion. Participant found the info clear and well-placed.

Complete: YES

**Task 4: Compare how Team A and Team B performed in disposals and tackles during this match.**

Time Taken: ~30 seconds

Transcription:

* "Going to Compare Team Stats. It’s pretty clear which team has more disposals and tackles there is a column for that."
* “Filtering by quarters is cool”

Notable: Positive reaction to the filter by quarter option.

Complete: YES

**Task 5: Look at How many handballs Team A made in their previous match.**

Time Taken: ~25 seconds

Transcription:

* "I’d go to Match History. The previous matches have dates I guess so I know that’s the one."
* "In Team Stats it says handballs… 42."
* "I’ll pick Team A… and switch from Current Match to Previous Match."
* "Handballs… 42."
* "This works fine. Easy to find."

Notable: Participant found the navigation clear from Match History to Stats.

Complete: YES

**Task 6: Compare John Smith and Ben Jones to see who has scored more points this match.**

Time Taken: ~20 seconds

Transcription:

* "Going to Compare Player Stats."
* "Selecting John Smith and Ben Jones from the dropdown menus."
* "Their points are listed—John Smith has more. The leader is highlighted [points to leader]."

Notable: N/A

Complete: Yes

#### Participant 2

**Task 1: Create a new match and enter two teams.**

Time Taken: ~25 seconds

Transcription:

* "Create Match… here."
* "Teams… okay.”
* "Start Match… and ready."

Notable: Brief pause before pressing Start - participant seemed double-checked team names, not sure why, and did not express confusion.

Complete: YES

**Task 2: Record a kick by player John Smith from Team A.**

Time Taken: ~15 seconds

Transcription:

* "Select player… John Smith."
* "Kick."
* "Says it’s recorded here… okay."

Notable: Participant quietly acknowledged the confirmation message was present on the screen, no issues raised.

Complete: YES

**Task 3: Check which player has scored the most points so far.**

Time Taken: ~20 seconds

Transcription:

* "Game Highlights."
* "Top Points… John Smith, 16."
* "Easy."

Notable: Participant moved quickly through this task, no comments beyond confirming the information was found.

Complete: YES

**Task 4: Compare how Team A and Team B performed in disposals and tackles during this match.**

Time Taken: ~30 seconds

Transcription:

* "Team Stats… Compare Teams."
* "Disposals… Team A’s ahead."
* "Tackles… Team B."

Notable: Seemed confident in navigating and interpreting the highlighted stats.

Complete: YES

**Task 5: Look at How many handballs Team A made in their previous match.**

Time Taken: ~30 seconds

Transcription:

* "Match History."
* "Previous Match… Team A."
* "Handballs… 42."

Notable: Participant didn’t comment on the match selection interface but used it without hesitation.

Complete: YES

**Task 6: Compare John Smith and Ben Jones to see who has scored more points this match.**

Time Taken: ~20 seconds

Transcription:

* "Compare Players."
* "Select John Smith… Ben Jones."
* "Smith has more points I guess."

Notable: N/A

Complete: YES