## 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 the made the most tackles 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: ~30 seconds

Transcription:

* "Hmm… okay, 'Create New Match' is right there. That makes sense, at the top. Click that."
* "Now it says 'Select Teams'… oh, wait, does it show me a list of teams to pick from? I guess I just enter them here? Or do I have to add them first?"
* "Would be nice to see something that tells me if I need to add players before this point."
* "But okay, 'TEAM A' and 'TEAM B' placeholders are here. I assume I select them from a menu."
* "And there's a 'Start Match' button. Clear enough. I’ll press that."

Notable: The participant hesitated because the screen didn’t show if players had already been added.

Complete: YES

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

Time Taken: ~30 seconds

Transcription:

* "I see the scoreboards at the top. Okay, where’s John Smith?"
* "Ah, there's a 'Team Member' dropdown on the left. Do I select from that?"
* "Okay, I’m assuming I can scroll or search for John Smith."
* “I don’t really understand why there are two record action columns though”
* "Now, I pick 'Kick'. Yep, seems obvious."
* "Does anything confirm I did it? Oh, the notes says there’s a confirmation box down here. I like that. So I know it worked."

Notable: The participant suggested the confirmation box should be more visually prominent, as they almost missed it. The participant mentioned that they didn’t understand why there were two separate ‘Record Action’ columns.

Complete: YES

**Task 3: Check which player has made the most tackles so far.**

Time Taken: ~1 minute 10 seconds

Transcription:

* "So I want to find player stats…"
* "I see 'Game Highlights'… Top Goals, Top Points, Top Disposals. Not tackles here?"
* "There is a Player Stats button on the main menu… do I need to go into 'Player Stats'?"
* "Okay I’m in the Player Stats screen. I pick John Smith… Tackles: 9. But that’s just him."
* “Compare Player is it? Here it shows the comparison, but I have to pick the two players manually."

Notable: Participant was frustrated at the lack of a Top Tackles leaderboard, similar to Top Goals and Top Disposals on the highlights screen.

Complete: YES (with guidance)

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

Time Taken: ~50 seconds

Transcription:

* "Back to Team Stats… 'Compare Team Stats'. Easy enough."
* "Disposals… Tackles… okay, numbers are clear. I like that it highlights the leader."
* "I can I chose a specific quarter? Don’t think so."

Notable: Positive reaction to clear leader highlighting. Suggested an additional filter, like quarters.

Complete: YES (found this very easy)

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

Time Taken: ~50 seconds

Transcription:

* "Where’s 'History & Stats' I saw it before… okay, found it."
* "There’s 'Team & Player Stats', I’ll choose that."
* "I’ll pick Team A… and switch from Current Match to Previous Match."
* "Handballs… 42."
* "But how do I choose which previous match? Is it always just the last one? Hmmm."

Notable: The participant expected a list of previous matches, not an automatic switch to the most recent.

Complete: YES

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

Time Taken: ~35 seconds

Transcription:

* "Back to Player Stats… 'Compare Player Stats'. Easy."
* "Pick John Smith and Ben Jones… yep. Points: 16 and 11."
* “Highlights the leader. Works well."
* “Done”

Notable: N/A

Complete: Yes

#### Participant 2

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

Time Taken: ~20 seconds

Transcription:

* "Okay… um, create match… here."
* "Oh… teams. Right."
* "Do I… press Start? Yeah, okay."

Notable: Participant paused briefly before clicking "Start Match", seemed unsure they’d completed everything.

Complete: YES

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

Time Taken: ~15 seconds

Transcription:

* "Um… select player… John Smith. But which side do I choose?"
* "And… Kick, I think."
* "Did it work?"

Notable: Participant didn’t notice the confirmation message box. Participant was confused by having two ‘Record Action’ columns.

Complete: YES

**Task 3: Check which player has made the most tackles so far.**

Time Taken: ~30 seconds

Transcription:

* "Hmm… ok… view match I guess?"
* “There is disposals but no tackles”
* "Maybe in Player Stats…"
* [Finds John Smith] "Nine tackles… but, I don’t know if that’s the most."

Notable: Participant found the tackles stat for individual players (not top tackles in the game) but questioned whether that was the correct answer.

Complete: NO

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

Time Taken: ~25 seconds

Transcription:

* "Yep, Team Stats… compare teams."
* "Disposals… tackles… oh, it says who’s ahead. That’s good."
* "I guess that’s it?"

Notable: N/A

Complete: YES

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

Time Taken: ~30 seconds

Transcription:

* "History and stats."
* "Team A… Previous Match."
* "Handballs… 42… but which match is this?"

Notable: Participant seemed unsure if they were looking at the correct match.

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… easy."
* "Points… 16 and 11. John Smith wins."
* "That was pretty easy."

Notable: N/A

Complete: YES

#### Participant 3

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

Time Taken: ~15 seconds

Transcription:

* "Alright, easy. 'Create Match'—right at the top. Click."
* "Enter team names… yeah, this seems obvious."
* "Should I be able to add players first? There’s no warning or anything."
* "Done. 'Start Match' button—click."

Notable: Participant completed the task very quickly but questioned the lack of options for adding players first.

Completed: YES

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

Time Taken: ~10 seconds

Transcription:

* "Find player… dropdown, John Smith—yep."
* "Kick—done."
* “Did it work though”
* [Points at the confirmation box]
* "That tiny confirmation box is easy to miss."
* "Why are there two ‘Record Action’ sections? That’s confusing—probably just give me one place to do this."

Notable: Participant stated that there was almost zero noticeable feedback when performing the action. Participant express frustration with the two ‘Record Action’ sections.

Complete: YES

**Task 3: Check which player has made the most tackles so far.**

Time Taken: ~25 seconds

Transcription:

* "Game Highlights, right? No? Wait—where’s tackles?"
* "Why would Top Goals, Top Points, and Top Disposals exist, but not Tackles? It’s kinda inconsistent."
* [Told participant to go to Player Stats]
* "Ok, Player Stats."
* "John Smith has 9 tackles. But is that the most?"

Notable: Participant became frustrated by the lack of a Top Tackles leaderboard.

Complete: YES

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

Time Taken: ~20 seconds

Transcription:

* "Team Stats… Compare Teams… yeah, this is fine."
* "Disposals, tackles—yeah. Pretty clear who’s ahead."

Notable: N/A

Complete: YES

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

Time Taken: ~20 seconds

Transcription:

* "History & Stats. Team A. Previous match. Handballs, 42. Easy."

Notable: N/A

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. Points—16 vs. 11. Done."
* "This works, but it would be easier if it just suggested the top players for me instead of me picking them manually."

Notable: Participant suggested the system could automatically recommend the top players to compare.

Complete: YES