**Test Case Planning**

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1. **Use Case 3 - User Mood Submission**

| **Test Case ID** | **TC01 – User successfully submits mood entry.** |
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| **Test Objective** | **Verify that a logged-in user can submit a mood entry with valid inputs and save it correctly.** |
| **Preconditions** | User is logged into their account and is on the mood submission screen. |
| **Test steps** | 1. System prompts the user with mood questions. 2. User provides inputs:    1. Mood rating: 8    2. Mood reason: "Feeling good" 3. User submits the responses. |
| **Input Values** | Mood rating: 8 Mood reason: "Feeling good" |
| **Expected results** | The system saves the mood data and displays a confirmation message: "Success!" |

| **Test Case ID** | **TC02 - User can view mood history** |
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| **Test Objective** | **Verify the system allows the user to view their mood history** |
| **Preconditions** | User is logged into their account and is on the mood submission screen, and has already submitted a mood in the past on this account |
| **Test steps** | 1. User selects the “View Mood History” option. 2. System shows the user their mood history, with mood rating and reason, as well as date of submission |
| **Input Values** | Select view “View Mood History” button |
| **Expected results** | The system displays the mood history correctly, with a date, mood rating, and mood reason |

| **Test Case ID** | **TC03 - User attempts to submit mood rating again on same day** |
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| **Test Objective** | **Verify the system asks for confirmation before overwriting a mood submission that occurred on the same day, so the user can only have one saved submission per day.** |
| **Preconditions** | User is logged into their account and is on the mood submission screen, and has previously submitted a mood and mood reason on the same day |
| **Test steps** | 1. System prompts the user with mood questions. 2. User provides inputs:    1. Mood rating: 6    2. Mood reason: “I dunno” 3. User is given a message “ You’ve already submitted a mood today. Submitting a new mood will overwrite the previous one. Continue?” 4. user selects “Yes” |
| **Input Values** | Mood Rating “6” Mood reason “I dunno” select “Yes” when given message |
| **Expected results** | The new Mood rating and Mood reason is saved and is viewable from “View Mood History” screen |

| **Test Case ID** | **TC04 – User submits invalid input.** |
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| **Test Objective** | **Verify the system validates input and rejects invalid responses.** |
| **Preconditions** | User is logged into their account and is on the mood submission screen. |
| **Test steps** | 1. System prompts the user with mood questions. 2. User provides inputs:    1. Mood rating: 12    2. Mood reason: "This is a valid reason." 3. User submits the responses. |
| **Input Values** | Mood rating: 12 Mood reason: "This is a valid reason." |
| **Expected results** | The system displays a message: "Please enter a number between 1 and 10" |