

## Test Procedure Document

This test procedure ensures that *Momento* meets all functional requirements and works as expected. Each test step verifies a specific feature, ensuring that all acceptance criteria are met.

### Requirements & Verification Cross Reference

The following test steps validate the key requirements of *Momento*:

- Users can capture and save daily photos.
- Users can check in with their mood.
- Users can view past journal entries.
- Users can receive a daily quote.
- Users can access a Monthly Recap.
- Data is stored securely using Firebase.

### Test Steps

#### Step 1: Start the Software

- Open the *Momento* app on an iOS device.
- Verify that the home screen loads properly.

Expected Result: The app launches without errors, and the home screen is displayed.

#### Step 2: Capture and Save a Daily Photo

- Tap the "Capture Photo" button.
- Take a new picture using the camera.
- Apply a vintage filter (optional).
- Save the photo.

Expected Result: The photo is saved and appears in the user's journal entry for the day.

#### Step 3: Check-In with a Mood

- Tap the "Mood Check-in" button.
- Select a mood icon from the available options.
- Save the mood entry.

Expected Result: The mood entry is saved and associated with the day's journal entry.

#### Step 4: View a Past Journal Entry

- Navigate to the archive.
- Select a previous date to view its entry.

Expected Result: The journal entry for the selected date is displayed with the correct photo and mood.

#### Step 5: Receive a Daily Quote

- Navigate to today's entry.
- Verify that a new daily quote is displayed.

Expected Result: A motivational quote appears, changing each day.

#### Step 6: Access the Monthly Recap

- Tap the "Monthly Recap" button.
- Scroll through the summary of the month's photos and moods.

Expected Result: A visual summary of the past month is displayed correctly.

#### Step 7: Test Data Storage & Retrieval

- Close and reopen the app.
- Verify that previously saved journal entries remain available.
- Confirm that data syncs correctly with Firebase.

Expected Result: Data persists and loads correctly upon reopening the app.

### Running the Tests

Each test step should be **executed in order** to verify that the application meets all requirements. If any step fails, necessary debugging and fixes should be implemented before re-executing the test.