Harmony

Acceptance Tests and Acceptance Criteria

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Scenario 1: Google Sign-In Functionality

Acceptance Criteria:

~ Users should be able to sign in using their Google account.

~ If the sign-in is successful, the app should display the user's profile (name, email, and profile picture if available).

~ If authentication fails, an appropriate error message should be displayed.

~ The session should persist until the user signs out.

Test Name: Google Sign-In Test

Preconditions: User has a valid Google account.

Test Steps:

1. Open the app.
2. Click on the "Sign in with Google" button.
3. Select a Google account and provide credentials if required.
4. Verify that the user is logged in and the profile information is displayed.

Expected Outcome:

~ User successfully logs in with Google.

~ Profile information is displayed.

Scenario 2: Spotify Integration and Song Information Sync

Acceptance Criteria:

~ Users should be able to link their Spotify account to the app.

~ The app should receive and display the currently playing song information.

Test Name: Spotify Integration Test

Preconditions: User has a valid Spotify account and is playing a song on Spotify.

Test Steps:

1. Open the app and navigate to the Spotify integration section.
2. Click on "Link Spotify Account" and authenticate via Spotify.
3. Start playing a song on Spotify.
4. Verify that the app correctly fetches and displays song details (title, artist)

Expected Outcome:

~ Successful linking of the Spotify account.

~ The currently playing song details are displayed in real-time.

~ The app updates when the song is changed.

Scenario 3: Map Functionalities

Acceptance Criteria:

~ The map should display the user's current location accurately.

~ Zoom-in and zoom-out functionalities should work smoothly.

~ Markers should be properly placed and updated.

~ The compass feature should adjust based on the user's orientation.

Test Name: Map Functionalities Test

Preconditions: Location services should be enabled on the device.

Test Steps:

1. Open the app and navigate to the map section.
2. Verify that the map centres on the user's current location.
3. Use zoom-in and zoom-out functions and confirm smooth functionality.
4. Add and remove markers and check for correct placement.

Expected Outcome:

~ The map displays the user's current location accurately.

~ Zoom and compass functionalities work as expected.

~ Markers can be added properly.

Scenario 4: Visibility of Other Users on the Map

Acceptance Criteria:

~ Other users should be displayed as markers on the map.

~ Clicking on a marker should show user details (username, status, etc.).

~ **Test Name:** Other Users Visibility Test

~ **Preconditions:** Multiple users should be online and have location services enabled.

Test Steps:

1. Open the app and navigate to the map.
2. Check for markers representing other users.
3. Tap on a marker and verify that user details are displayed.
4. Change the location of a test user and confirm that the marker updates in real-time.

Expected Outcome:

~ Other users are visible on the map with accurate locations.

~ Clicking a marker displays user details.