# Test plan

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| **Test Case ID** | **Test Case Steps Objective** | | **Input data Expected output** | | **Actual Output Status**  **Pass/Fail** | |
| 1:0 | Verify that the data fetched from the API is accurately displayed in the list view. | 1. Open the app. 2. Choose a location (British Isles or worldwide). 3. Click the "Pull Data" button. | Location selection (British Isles or worldwide). | The earthquake data shown in the app should match the data from the API. | The earthquake data shown in the app matches the data from the API. | Pass |
| 1:1 | Verify that the user can navigate through different views and select the required functionality. | 1. Open the app. 2. Choose a location (British Isles or worldwide). 3. Click the "Pull Data" button. 4. Click any entry 5. Click back | Location selection (British Isles or worldwide).  List item  Back button | The user should be able to access all available features and views without any issues. | Ability to populate list and navigate to and from the fragments within the app | Pass |
| 1:2 | Verify that the app correctly filters data based on the selected location and date range. | 1. Open the app. 2. Choose a location (British Isles or worldwide). 3. Select a date range using the "Select Date Range" button. 4. Click the "Pull Data" button. | Location selection, date range. | The list view should only display earthquake data that matches the selected filters. | List filtered by date | Pass |
| 1:3 | Verify that the app correctly sorts data based on the selected sorting option. | 1. Open the app. 2. Choose a location (British Isles or worldwide). 3. Click the "Pull Data" button. 4. Choose a sorting option from the spinner. | Location selection, Sorting option. | The list view should display earthquake data sorted according to the selected sorting option. | List sorted by sorting options | Pass |
| 1:4 | Verify that the search feature works correctly and displays relevant results. | 1. Open the app. 2. Click the "Pull Data" button. 3. Enter a search query in the search bar. | Location selection, Search query – “1.0” | The search results should only include earthquake data that matches the search query. | List filtered to earthquakes with a magnitude of 1.0 | pass |
| 1:5 | Verify landscape views function correctly | 1. Open the app 2. Set landscape mode 3. Test app functionality in landscape | Location selection, search query, sort options, date selection | All functionality works as in portrait mode | All functionality works as in portrait mode | pass |
| 1:6 |  |  |  |  |  |  |
| 2:1 |  |  |  |  |  |  |
| 2:2 |  |  |  |  |  |  |
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