Expedition Oulu

User Guide for v.1.0

Contents

1. The Application

This application showcases different points of interest around the city center of Oulu. It features a fully interactive map which can display user position if device location services are enabled.

Navigation features for the guided tour are fully functional but application content is still very much in early access.

2. Map view

Map can be scrolled with the thumb on a mobile device, or with scrollbars and mouse wheel inside a browser window. Interactive map elements open a context menu at the top left of the window and they are as follows:

Major location with detailed description

Other point of interest

Waypoint on the guided tour path

User location (upper tip of the triangle)

Zoom in/out buttons

User location on the map is updated every 4 seconds. Location and user arrow tips touch when user is at the waypoint.

3. Location Details

⬅︎   Return to map or tour

⬚   Location context menu

4. Guided Tour

Guided tour takes the user along a chain of waypoints. It is possible to start the tour at any point of the route. If you're far away from the city, you can get directions via Google Maps which can be launched from the context menu of any map object.

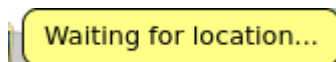**BRG: 72.3°   RNG: 478 m   HDG: 0°**

Navigation bar displays bearing and distance to selected waypoint, as well as user heading.

| <- | View Map | **Read More** | -> |

Left and right arrows select the next waypoint in the chain. It is feasible to follow the route in either direction. If waypoint is located at one of the major locations, the red "Read More" button will appear.
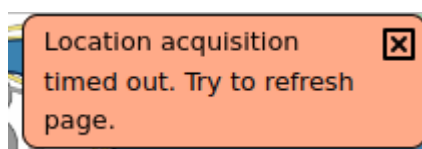
5. Navigation Features (GPS)

The application is able to make use of device location if enabled and permissions are granted. User position is only handled locally and not stored or sent over the network at any point.
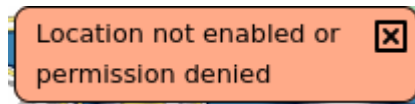
Waiting for location...

You should see this notification flash at least momentarily. It indicates that location permission has been granted.
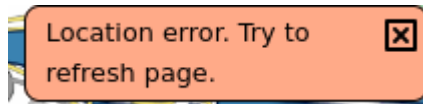
The application waits for up to 3 minutes to acquire location and throws an error if it is exceeded. This is not necessarily a cause for concern, as it may take somewhat longer for the device to find the satellites. It is a good idea to activate device location about 5 minutes before loading the application. You can always refresh the page to attempt for another 3 minutes.
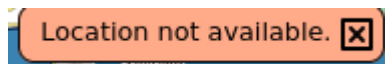
Location acquisition ⊠
timed out. Try to refresh
page.

Other Location Errors

Location not enabled or permission denied ☒

If you see this notification, device location is likely turned off or application has not been granted permission. If you want to use the GPS features, verify that device location is turned on. Also, make sure that the browser has access to user location, and you may need to give permission to the application individually as well.

Location error. Try to refresh page. ☒

This message indicates a generic error for unknown reason.

Location not available. ☒

If you manage to ever see this message, you're probably inside a tunnel or there's something wrong with the satellites.