NarrateMyWay - Main Application ExpansionPackBeacon **GUI** ExternalStorage BluetoothBeacon NarrateMyWay LocalStorage **Initialisation** Open application Begin loop to scan for beacons. Render "Scanning" screen Audio: "Scanning for beacons near you" **Expansion Pack Beacon Detected** "Expansion Pack" beacon detected within 10m Render "New Location Discovered" screen Process new location detection (see 'Detecting a New Location') Render "Scanning" screen Audio: "Scanning for beacons near you" **Location Beacon Detected** Beacon detected within 10m Code: "nmw:1-0-1" & UUID: 98765 Determine information for the given code & UUID Terminate loop (Optional) UUID information available Check if UUID is available in local storage Provide enriched information Fetch encoding information Determine meaning of code including:
- Type of location (POI or Warning etc.) - Name and icon for location - Required audio output (in chosen language) Render "Main" screen using this information Audio: Play required audio snippet Allow user to engage with app and repeat audio etc **Beacon Out Of Range** Beacon no longer detected Begin loop to scan for beacons. (In background) Notify that beacon no longer detected Render "Scanning" screen Audio: "Scanning for beacons near you" user BluetoothBeacon ExpansionPackBeacon GUI LocalStorage ExternalStorage NarrateMyWay