

Instant Package Tracking & Reporting System (IPTRS)
End User Guide

Team Game of Life
Oakton High School
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1. Overview

The Instant Package Tracking and Reporting System (IPTRS) is a web-based application that tracks packages and location updates. The application provides real-time reporting on package locations and delivery status. It also projects package delivery time based on package's location statistics. The application features a simplified user interface that is accessible by most of browsers such as Google Chrome and Microsoft Internet Explorer. This user guide document gives detailed instructions on how to interact with the application via the user interface (UI).

The UI home page is located at <http://127.0.0.1:8080/index.htm>.

2. Home Page

The UI supports two groups of end users. The User View provides features for a regular user. The Admin View provides additional features for an admin user. When a user opens up the home page for the first time, he can choose which view to enter by clicking the *User View* or *Admin View* button.

The UI has a common banner on top for all its web pages. The banner displays a logo and application name on the left. It has Home link on the right. Clicking *Home* at any page will take the user to the Home page.

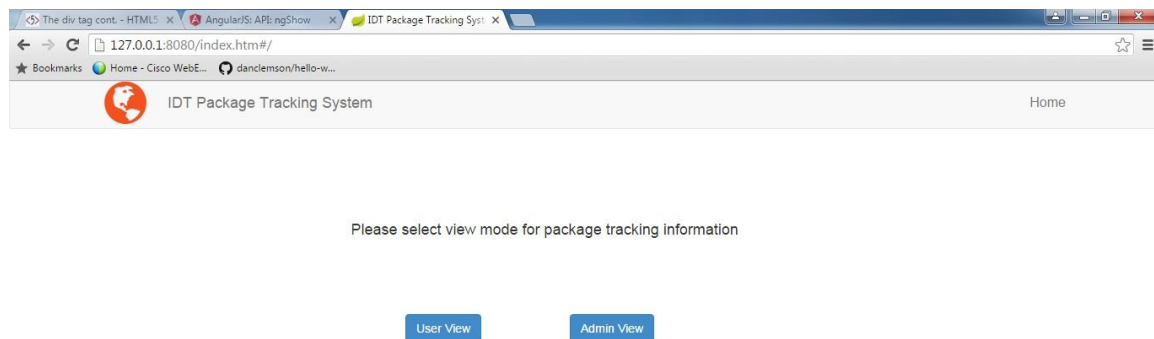
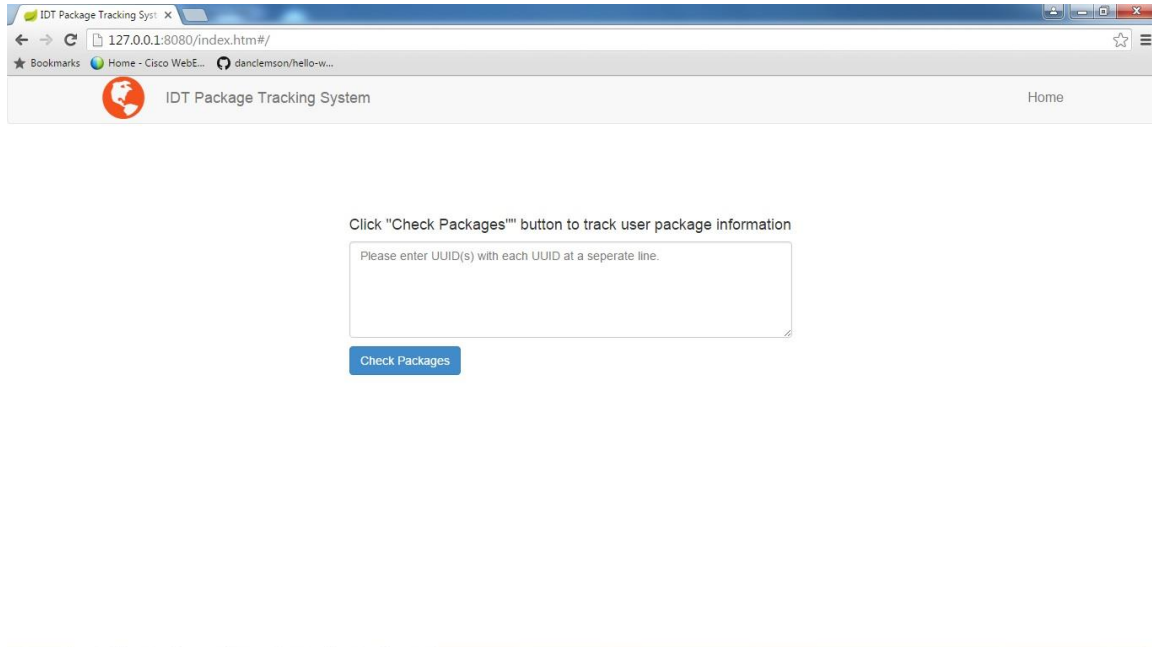


Figure 1 - Home Page

3. User View Page

If the user clicks the *User View* button on the home page, the UI displays User View page. Below is what the User View page looks like.



The screenshot shows a web browser window titled "IDT Package Tracking System". The address bar shows the URL "127.0.0.1:8080/index.htm#/" and the page title is "IDT Package Tracking System". The page content includes a header with the system name and a "Home" link. Below the header, there is a text box with the instruction "Click 'Check Packages' button to track user package information" and "Please enter UUID(s) with each UUID at a separate line." A "Check Packages" button is located below the text box.

Figure 2 - User View page

The user can enter one or multiple UUIDs in the text box, and after clicking the *Check Packages* button, the Report page with the corresponding packages will display.

4. Admin View

If the user clicks the *Admin View* button on the home page, the Report page with **all** packages will display.

5. Report Page

The Report page shows the status of the packages the user is allowed to view. The Report page automatically refreshes every 5 seconds to show package real-time status.

On the Report page, each gray box displays package summary. The summary shows the following information.

- UUID – universal unique identifier for the package.
- Package Status – Package real time status, it shows *InProgress* if the package is still in route. Once package reaches the destination, it changes to *Delivered*.
- Distance to travel – Distance to the destination in mileage from package current location.
- Delivery time – estimated time that package reaches to the destination. This is calculated based on package location statistics since the delivery starts.

There is a *Map* button for each package in the gray box. Clicking the button, the Map page will display.

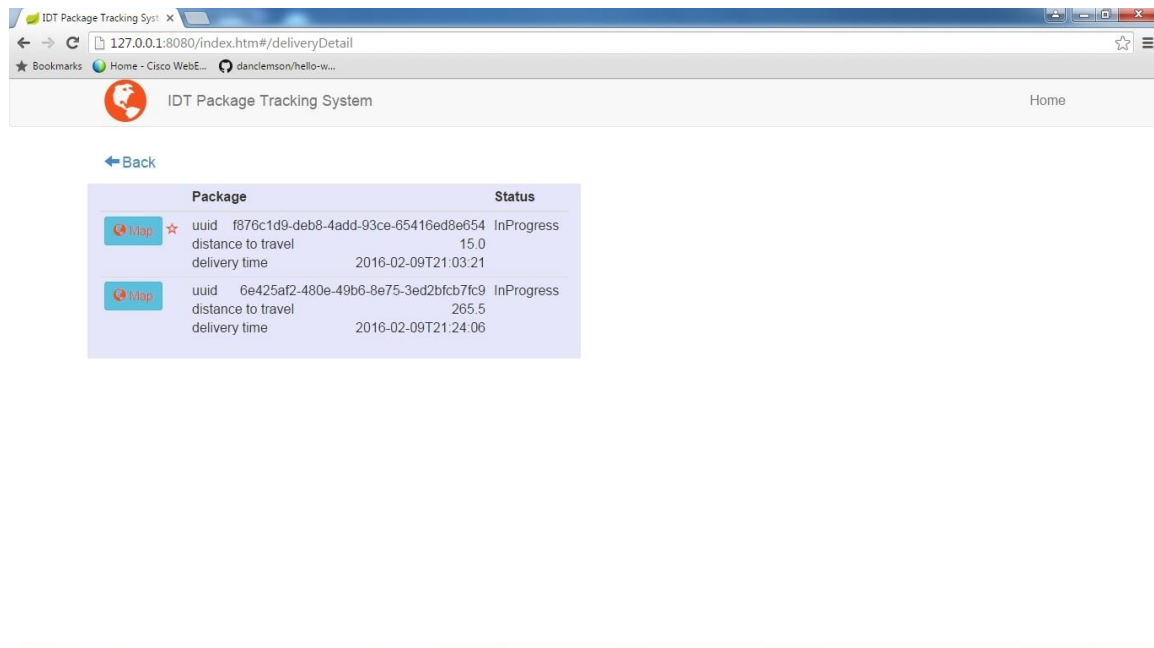


Figure 3 - Report page

6. Map Page

The Map page displays a package's delivery path in real-time. The green mark shows the destination. The blue mark represents the package starting point. The dark line connecting from starting point is drawn through coordinates per location updates sent by GPS unit installed on the package.

Like the Report page, the Map page automatically refreshes every 5 seconds to show package real-time delivery path in progress. Once the package reaches the destination, a complete path is represented by dark line between the starting point and the destination.

Clicking the *Map* button for another package, the map showing on the right of the page will display the real-time delivery path for that package.

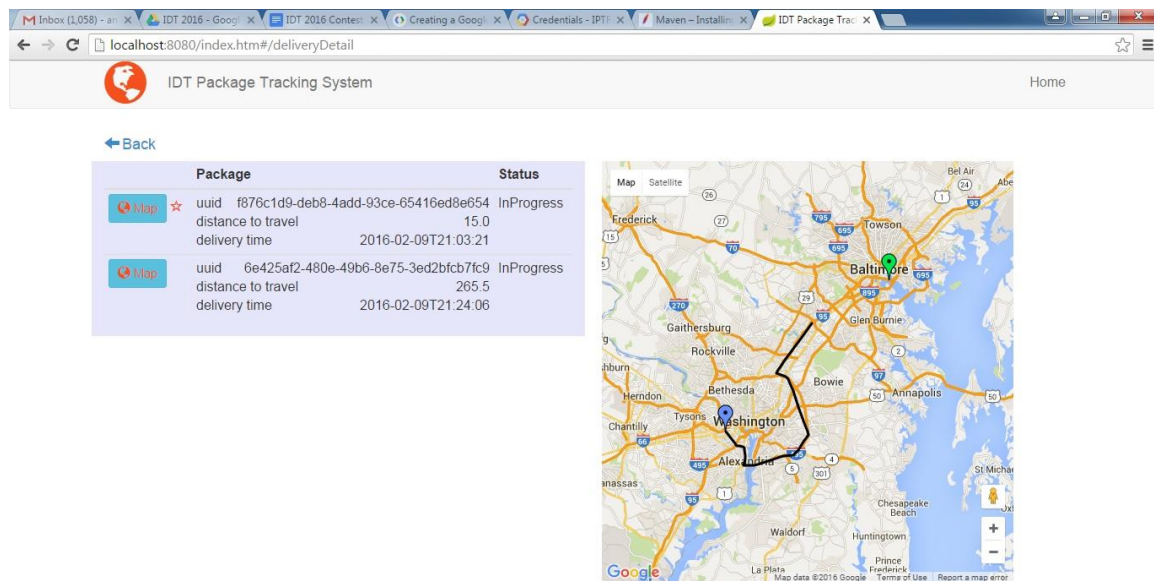


Figure 4 - Map page