**Agenda for Day 3**:-

**Bower components**:-

Bower offers a generic, opinionated solution to the problem of **front-end package management**, while exposing the package dependency model via an API that can be consumed by a more opinionated build stack. There are no system wide dependencies, no dependencies are shared between different apps, and the dependency tree is flat.

Bower runs over Git, and is package-agnostic. A packaged component can be made up of any type of asset, and use any type of transport (e.g., AMD, CommonJS, etc.).

The Bower package contains Highcharts, Highstock and Highmaps.

**Install Bower:**

* bower install

This command install’s all bower components related to current version.

* bower install git://github.com/user/package.git

Refer this site <https://bower.io/> for more info.

**High Chart:**

* bower install highcharts-ng

Using this command we can add high chart.

If we want to add any new component in our predix app , we have to add related component entries in predixApp function in app.js , config.js and also need to add **highcharts-ng.js** in js file’s location.

If any modification’s requires for chart’s that’s need to be done inside chartConfig function in App.js.

**Polymer Elements :**

Polymer element that shows a popup after you click a icon. Build with Polymer.

* **bower install icon-popup** This command install’s icon-popup polymer element.
* **bower install icon-popup#2.0.0** This command install’s icon-popup polymer element with version.

After installing polymer element we need to add **polymer-loader.html**

Refer this site <https://www.versioneye.com/> for more info.

**Note :** To install any components , always we have to check with github end point url. Github gives exact match for predix environment. To understand more Please watch recorded KT session video’s.