Integrated Learning Project

Server Side Application

[ILP-002]

# Issue Tracker

The proposed system should provide a way to raise issues and keep track of them. The complete system should be implemented using Express.js and the user interface will be rendered by a Jade (also known as Pug) Template Engine. **The data required for Issues should be managed in a JSON memory object (OR) in a JSON file**. The browser will not have any client side logic and will just display the HTML sent by the server side application. To make the user interface better, Bootstrap or Material can be used.

Following operations should be supported and the user interface required for the below operations will be maintained in a Jade file.

1. View Issues
2. Add Issue
3. Update Issue
4. Delete Issue

**View Issues**

* The list of issues available should be displayed.
* Buttons should be displayed next to each issue entry to allow for update or delete of an issue.

**Add Issue**

While adding the issue, the following input details should be accepted.

* Description
* Severity (A list of severities should be displayed for user to select)

[Assume the list of severities to be – Minor, Major, Critical]

* Status (A list of statuses should be displayed for user to select)

[Assume the list of statuses to be – Open, In Progress, Closed]

* Created Date
* Resolved Date

**Update Issue**

When the list of issues are displayed, one issue can be selected to update at a time.

Description, Severity, Status, Created Date, Resolved Date should be allowed to be updated.

**Note:** Issue ID should be used as the key to look for Issue details and it cannot be modified.

**Delete Issue**

When the list of issues are displayed, one or more issues can be selected to delete at a time.