**Sprint 1 Plan – Library Management API**

1. **Backlog**

Provide a table showing the user stories you will deliver in Sprint 1 in the format shown below.

|  |  |  |  |
| --- | --- | --- | --- |
| US ID | Title | Priority | Size (Story Points) |
| 4 | Clock-in/Clock-out | 1 |  |
| 6 | Login | 2 |  |
| 1 | Modify Clock-in/out | 3 |  |
| … | … | … | … |
| Total | | | *Sum of story points* |

1. **Project Management**

You will use a GitHub *Project* to manage your development. Each user story will be broken down into smaller tasks that need to be accomplished in order to complete the user story. These tasks should be between 0.5 hours and 4 hours in length. Tasks will be entered as *Issues* in GitHub and added to *Backlog* column. From there, they will be moved to an *Assigned* column once a person or persons have been assigned to the task. When work begins, the issue will be moved to an *In Progress* column. Finally, when complete, the issue will be moved to a *Complete* column.

Do the following:

1. Create a Project in GitHub named *Sprint 1*.
2. Create columns for: *Backlog, Assigned, In Progress, Complete.*
3. **Work Breakdown & Task Estimation**

Task/Issue breakdown is iterative. Your group will identify some initial tasks to get started on a user story. As they are in progress or completed you will learn more about what you need to do. If a task turns out to be much bigger, or involve things you didn’t initially think of, then simply add them as new tasks, possibly closing out the initial task. Thus, Task/Issue breakdown is ongoing.

This project is a little different in that you are developing an API. Your user stories say things like, “As a library member, I want to do ….”. Your job is to develop an API that supports the users’ needs. In other words, a front-end could be developed in the future using this API.

Do the following:

1. Meet as a group to identify an initial set of tasks to accomplish a user story (or two).
2. Enter each of the tasks above as an *Issue* providing this information: title, user story ID, description, time estimate.
3. Place the Issues into the *Backlog* column in the proper order.
4. Assign each task to a team member(s) and move to the Assigned column.

Note: The next phases is Sprint 1 Development where you will complete the tasks identified here and develop new ones.

**Submission**

1. This document should be stored in an obvious place in your repository. Probably a folder named *docs*.