Delivery #1	**Library Book Loan Project Plan**
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Library Book Loan Project Plan

1. Introduction about the project

In this course, I will try to develop a library book loan management system. With this system, workers can easily manage the system and users can do loan operations easily at the same time. In this system, library employees have lots of rights. For example they can update the contents of the library. And they can add books and also edit and remove the current books.

2. Project organization

I am only the one in the project, so I will do all tasks on my own. I have lots of tasks in the project. For example I am the manager, tester and developer of my project. Let's learn what my roles mean in the project. And finally I am using a GitHub account so my project will be followable during the project from my GitHub account (bbm487s2017g8).

Project Manager: A project manager has to lead the team and do the planning of the project specifically. As a result, the manager coordinates the team members to reach a successful project.

Tester: He/She tests the system during the project.

Developer: The Developer is responsible for developing the parts of the system. Implements, unit-tests, and integrates the components according to the previously planned architecture of the system.

3. Project practices and measurements

I am going to use iterative and incremental development model in my project. Iterative and Incremental development is any combination of both iterative design or iterative method and incremental build model for software development. The combination has been widely suggested for large development efforts. And as shown in Figure-1, I put the representation of the model.

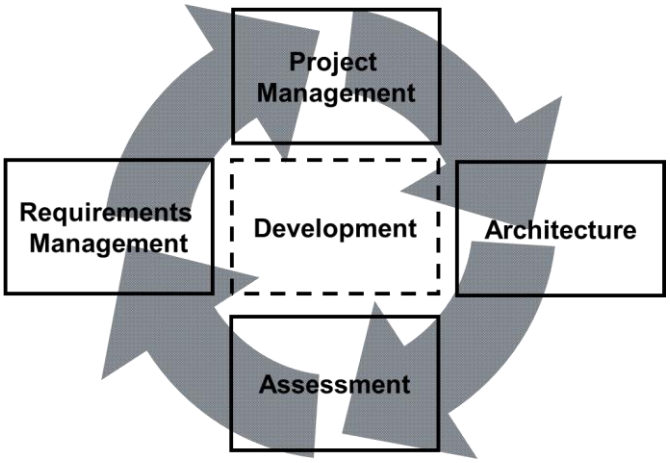

Figure-1

I want my project work on all systems. So I need to choose my programming languages carefully. I think Java and C# languages will help me and provide these conditions for me.

4. Project milestones and objectives

Iteration	Primary objectives	Time Period	Target day
I1	• Project organization, planning, management and technical process	From:3/3/2017 To:7/3/2017	4 days
I2	• Define requirements for the project, prepare a software requirements document and plan the next iteration.	From:8/3/2017 To:14/3/2017	6 days
I3	• Preparing the test case definitions and demo with an attentive use case implementation and plan next iteration.	From:15/3/2017 To:4/4/2017	20 days
I4	• Planning the software design, and coding standard and implement some of use cases.	From:5/4/2017 To:25/4/2017	21 days
I5	• Analyzing the software test report and finishing implement all use cases and final delivery and presentation.	From:26/4/2017 To:16/5/2017	35 days

5. Deployment

I will use evolutionary design technical approach, during the project, I will implement use cases that meet our planning requirements and test those cases we implemented and make a deployment if the currently developed cases are passing the tests.

6. Lessons learned

Before starting to implement a project, we need to learn the importance of the planning process. The planning process provides us extra time and less money. A project has to be deeply discussed and planned accordingly to the specified project requirements with the project team in advance to the project development.