

## **Comp2151- Agile Software Development**

### **Group Project (25%)**

**Deadline: Project Report Sunday April 3, 2022, Online Presentation: Week 13 &14**

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#### **Project Synopsis**

Your team will simulate a real life agile project development methodology for this course project. Your client is the Parks and Recreation department of ABC city as they want to develop a software system to support their business activities. A **System Service Request** has been provided to you by the client (copied in the Project Folder) and you will use this document as a starting point.

The first task in a software development project, always, is collecting the requirements and you will start your project with this task. Your contact person is Abid Rana, Manager of the Parks and Recreation department (role played by the Instructor) and your team should collect requirements from him through interviews. Lecture classes after week-5 would have a dedicated 45 minutes at the end of each class for Project and you should use that time to collect requirements or discuss your progress with the client/instructor. Your group may also request to book individual online appointments for this purpose.

Your project's grade would depend on your effort to collect the requirements comprehensively and the overall quality of your work.

Please be extra careful in the case any “coincidental” similarities of your project report with another group. Please read college policy for further details on cheating and plagiarism.

### **Submission Instructions:**

- Please create (and submit via Blackboard before the deadline) a comprehensive Project Report (One MS Word or Pdf file) containing a cover page with the group number and all students names, and student IDs and the following deliverables.
- The report should also contain a Table of Contents with Page Numbers.
- You may use various software (MS Project, Excel, Draw.io, Visual Paradigm, Moqups etc) for different items in the project but please **DO NOT** submit those files separately. Add screenshots of those items in your Project Report.
- We are trying to create a professional industry standard report so please pay attention to these instructions, proper formatting and organization.  
[Poorly formatted or disorganized reports may get a 10% penalty]

### **Deliverables:**

1. Write the Business Case for your project [use the template from the following website; also has been provided in your Blackboard Project Folder]. Create the **first 4 sections only** [The Executive Summary, Business Case Analysis Team, Problem Definition, Project Overview]  
(<https://www.projectmanagementdocs.com/template/project-initiation/business-case>)

2. Create Product Vision statement. Please use the following template.

<https://www.visual-paradigm.com/scrum/how-to-write-scrum-product-vision/>

3. Create an Agile Team charter for your team.

(<https://www.projectmanagementdocs.com/template/agile-templates/agile-team-charter>)

4. Create user personas for each category of users (minimum 3 per user type).

5. Create user stories (minimum 15).

6. Estimate story priority and story point for each story.

7. Create prioritized product backlog.

8. Create an Implementation plan consisting of a comprehensive tasks list by doing a Story **to Task mapping**. Create a Table in which u first add a story from the Backlog (item no 7) and then add all tasks for this story and repeat for all stories. [\[as shown in the Lab4 example\]](#)

9. Create a user interface in terms of a web application (wireframes or actual web pages/forms) for your group's case study. Create sufficient number of screen shots to capture the entire functionality of the system and implement every user story and all required business processes for the system under design.