Scrum Simulation Lab Assignment

Objective:

Over a 10-day sprint, your **Software Project Lab II (SPL-II) team** will adopt Scrum practices to develop and enhance your ongoing software project. This simulation is designed to practically apply agile methodologies, enhancing your understanding and project management skills. **This assignment constitutes 20% of your total grade for the course.**

Deliverables:

1. **Product Backlog**

   - Compile and prioritize all features, bug fixes, and tasks needed for your project.

2. **Sprint Backlogs**

   - Break down the top priority items from your product backlog into actionable tasks for this sprint. Assign these tasks to team members.

3. **Daily Scrum Summaries**

   - Document a summary of the Daily Scrums, recording answers to the three standard questions from each team member:

     i. What did you do yesterday?

     ii. What will you do today?

     iii. Are there any impediments in your way?

   - Include a snapshot of the scrum board as it appears each day.

4. **Increment (Product Increment)**

   - By the end of the sprint, produce a potentially shippable product increment based on the sprint's goals.

5. **Product Increment Demo**

   - Create a short video demonstration of your product increment. Preferably upload the video directly to Google Classroom. If there are issues with uploading, then as a last resort, upload the video as an unlisted YouTube link.

6. **Sprint Review**

   - Prepare a presentation demonstrating the functionality achieved and discussing items completed or not completed.

7. **Retrospective Report**

   - Conduct a retrospective meeting and produce a report detailing what went well, what didn't, and what could be improved for the next sprint.

Roles:

- **Product Owner:** Will be your team supervisor, responsible for overseeing the product backlog and ensuring that deliverables maximize value.

- **Scrum Master:** Will be the team's leader, facilitating Scrum events and addressing impediments.

- **Development Team:** Will be the team, working on completing tasks from the sprint backlog.

Submission Instructions:

Submit the following items as hardcopies in one spiral-bound document:

- Product Backlog

- Sprint Backlog

- Daily Scrum Summaries

- Sprint Review Slides

- Retrospective Report

Important: The front page of your submission document must include the signature of your supervisor (Product Owner).

For the Product Increment Demo:

- Preferably upload the video directly to Google Classroom. If not possible, upload an unlisted video on YouTube, and post its link as private comment.

Evaluation Criteria:

- Adherence to Scrum practices

- Quality and completeness of deliverables

- Functionality of the product increment

- Effectiveness of team collaboration and communication

Good luck, and let's strive for a successful sprint!