**Project Week:**

The project duration is 5 days, where students will work in groups of 2- 3 students, in this project we are simulating the real working environment in the software development companies, where students implement the agile using Scrum methodology. In Scrum we are working in sprints, where for each sprint we have the following meetings:

* Sprint planning: 2 hours meeting to identify the project requirements and assign the tasks to each team member.
* Daily scrum: is a daily meeting for 10 minutes for the team members to discuss what they did since the last meeting, and what they will do, and they will inform if they are facing any problem or challenge to be handled before affecting the team.
* Sprint Review: this will be 1 hour on Day 5 in which students will do a DEMO of their work and the team will discuss these projects and give their feedback.

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| **Day** | **Stage** | **Goals and Deliverables** |
| **Day1** | Analysis, Design | * Requirements Document * Wireframe * GitHub Repo * Trello Board (add all tasks to it) |
| **Day2** | Implementation (Backend) | * Testing the backend using Postman |
| **Day3** | Implementation (Front End) | * Alpha version of the website |
| **Day4** | Testing (bug fixing, code freeze). Deployment | * The final version of the website |
| **Day5** | Presentation | * 20 minutes live DEMO per group |

**Tools:** Blasemiq (for wireframe), Trello, MongoDB, GitHub, vs code

**Projects Requirements:**

1. Create a MERN application with the required components.
2. API must be used
3. Socket.io, login and registration, validation, all are mandatory.