# Project Week:

The project duration is 5 days, and students will work in groups of 3-4 developers in each group. in this project, we are simulating the real working environment in software development companies, where developers implement agile using Scrum methodology. In Scrum, we are working in sprints, where for each sprint we have the following meetings: -

* Sprint planning: it takes 2 hours on the first day of the project, in which we decide the idea of the project, and the requirements and assign the tasks to the team members.
* Daily scrum: a daily meeting for 10 minutes between the team members to discuss what they did since the last meeting, what they will do now, 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** |
| Day 1 | Analysis, Design | - Requirements Document (our idea, group members, functional requirements, ERD, Wireframe)  - ERD - Wireframe  - GitHub Repo - Trello Board (add all tasks to it) |
| Day 2 | Implementation (Frond End, Models) | - Clickable website  - Complete database |
| Day 3 | Implementation (Backed, Integration) | - Alpha version of the website |
| Day 4 | Testing (bug fixing, code freeze).  Deployment | - The final version of the website |
| Day 5 | Presentation | - 20 minutes live DEMO per group |

# Tools:

* Design: Blasemiq (for wireframe), Figma
* Database:: Sqlite
* Trello
* GitHub: for project documentation and presentation (PowerPoint is not required)
* VS

# Projects Requirements:

* Create a Django application of at least 5 pages.

a. Login/registration page

b. Minimum 3 functional pages

c. About us page / Contact us page.

* 2. The project must contain at least 3 responsive pages, “Bootstrap.”
* 3. AJAX must be used in the project
* 4. The project must be deployed to AWS
* 5. All forms should have validation/security.
* 6. The project must be documented on GitHub
* Admin Pages functionality is an optional – self-study.