

Project Arrangements

1. Project Proposal & Documentation:

It is important to describe your project before you start it. So, you can follow some idea, you will see the main goal – to build a web app. See the links in Table 1 below of the document to get the full idea of what the project proposal is. Try to describe everything in detail. Below is the least of what we expect to see in your project proposal:

- a. Why this topic was chosen (project relevance)
- b. Similar projects in Kazakhstan and to which extent your app can be competitive against these projects. (analysis of competitors)
- c. Project auditory (know who your target is)
- d. Project features (eye-catching functionality/design ideas of your project)

No more than 1200 words and no less than 300 words. Do some analytical job, dattebayo!

Create a project documentation. Explaining all structures and methods with examples of usage. Add UML, Use-Case scenarios and ERD diagrams to your documentation. Include your architectural design and decisions.

2. Project Plan:

Create a Gantt chart where you will write your project plan and how you are going to accomplish the project. Example of Gantt chart is here: <https://www.projectmanager.com/guides/gantt-chart>

Your work Plan must have at least 4 weeks: the weeks are 7, 8, 9, 10. During these weeks your project plan needs to have a task for each member, and I will be checking your project progress.

Finally, your project must be ready to be presented on a 2-hour class of 10th week.

3. Divide into teams of 3 people.

Team should consist of no more than 3 people and no less than 2 people. Divide your responsibilities in the team according to your plan. P.S. No project/product managers, everyone should be involved and make impact.

Register your team via the given google table (link in lms):

- a. Each member should be aware of what their teammates are doing and how they are doing it.

4. Create a repository for your final project:

Repo requirements:

- a. Branches:
 - master/main
 - feature branch for each member
- b. At least 2 commits from each member and pull requests (merge requests)

5. Project Requirements:

Project requirements	Points
CRUD operations for each team member	20
Auth (registration, login)	20
At least 4 endpoints for each team member	20
Usage of middleware	10
Front-End (ready html template is ok)	10
Usage of golang templating tags	10
Clean code and solid project structure	10
Bonus: usage of JS framework (e.g. angular, react, nuxt, next, nest etc)	10
Total points	110

Nº	Assignments (topics) for Independent study	Hours	Recommended literature and other sources (links)	Form of submission
1	Dividing into teams and choosing a project topic	5	https://kanbanflow.com/ https://trello.com/ team progress monitoring tools (optional)	https://lms.astanait.edu.kz/
2	Writing project description (project proposal)	2	https://www.grammarly.com/blog/business-writing/project-proposal/	https://lms.astanait.edu.kz/
3	Project Plan	5	https://www.jetbrains.com/youtrack/features/gantt_chart.html https://www.projectmanager.com/guides/gantt-chart	https://lms.astanait.edu.kz/
4	Setup environment (installing software and working space) and working with GitHub (GitLab)	TBC	https://github.com/ https://about.gitlab.com/	

Table 1 – Useful links to work with.