Project Information:

1. The project has to be a Web Application developed with a Framework such as Angular, Svelte, Vue JS, React JS or other.
2. The project has to be done in teams of 3 people.
3. The theme of the project is entirely up to you. There will be two intermediate assignments where you present your progress. The first presentation will earn you 1 point and the second one will earn you 2 points. The remaining 7 points (including the starting point) will be awarded when you present the final project at the end of the semester (week 13/14).
    ○ For the first assignment (deadline week 5/6), you have to present the documentation of the project. The documentation should contain a description of your project, the use cases (minimum 3 use cases for each student in the group, 3 students -> at least 9 sea level use cases) and actors which will interact with the system, and a git repository link.
    ○ For the second assignment (deadline week 11/12), you will have to present the progress. You have to present at least 4 features (use cases) of the app that are working.
4. **OPTIONAL:** The project can be hosted on a server, so anyone can access it.
5. **Key features:**
    ○ Social Login **(at least one of Google, Facebook or email & password),** for example: *Firebase*
    ○ Store and retrieve elements from the database, for example: the *Firebase Database*
    ○ Real-time data synchronization, for example: the *Cloud Firestore*
    ○ Usage of a storage service for images, audio or video resources, for example: the *Firebase Storage* service
    ○ Send an email when an event happens (example: for the registration), for example: the *Firebase Functions* service

    5.1 *If you do not want to use Firebase, you may use an alternative or implement a server (using Spring, Node Express, or other frameworks), but your application will still need to contain the key features from above.*
6. The presentation consists of a slideshow presentation (some document where you briefly describe your idea, your work, what technologies you used, what each team member did, how you divided your work), and a demo, where you will show us what your application can do. We strongly advise you against putting demo videos on the slideshow. We recommend you do a live demo of the most interesting features of your application. The presentation has to also be ***available online*** (use google slides, onedrive, etc)
7. For the presentation you will have to explain:
    ○ What is the application about?
    ○ Why did you choose to build this application?
    ○ How did you develop the project (Who did what)?
    ○ What is the problem that your application solves? (What is the target audience?)
    ○ What is the architecture of your application?
    ○ What are the core data structures that you use?
    ○ What technologies did you use?
    ○ Did you use any design patterns?
8. For the demo:
    ○ Try to emphasize the most interesting features of your application, not to explain in detail how every part of the application works.
    ○ The main idea of the presentation and the Demo is to "brag" about what a cool application you created. Don't leave the "technical stuff" out completely, but remember that the most important thing is what you built, not how you build it.
9. The presentation + Demo will be around 5 min / person.
10. After the presentation there will be a Q&A session where you should be prepared to answer technical questions, but also other project related questions.
11. Also you will be asked to provide one or multiple remote git repositories where you host the code of your application. (It does not have to be public, but we have to be able to access it).
12. We wish you happy coding!!!!