

## Project Proposal

In this assignment, each group of four students is asked to come up with two different ideas that can be implemented during the course.

Each idea must take into account the following project expectations:

- Scope: 2-3 main actors and 5-6 non-trivial requirements
- Required features:
  - Use of an external authentication service, e.g., Google
  - Use of at least one additional external service accessible via an API, e.g., Google calendar, Google maps, etc.
  - Real-time updates, e.g., multi-user chats, push notifications, etc.
  - Complex logic in either front-end or back-end component (i.e., something that involves an algorithm, not a simple API call or database read/update/delete)
- Implementation: Android Front-end using Java, Node.js backend

Submission: A PDF file containing information about two project ideas.