

Final Project

Instructions

Coding Assignment

- Solve questions from the set of questions given below. A team should solve as many questions as there are members in the team (a team of 3 should solve 3, team of 4 should solve 4, etc.).

Project

- Ensure your project makes use of the following, the project will be graded according to the correct usage of the same.
 - Packages and Modules. (External and Custom packages)
 - Concurrency. Make sure the program uses multiple routines and is concurrency safe.
 - Custom Types. Make use of at least 1 custom type and optionally receivers for the same.

Submission

Fill this [Submission link](#) on completion

Coding Assignment

- Take a screenshots of the successful execution of code for each attempted question. Make sure, team details are commented and seen clearly in the screenshot.
- Upon successful completion of coding, the team members must together walk through the code written and explain the logic of the solution. This must be done as a team and should be recorded. (The team can join a meet and record the meeting for simplicity)
- The screenshots and the demonstration video must be uploaded to google drive. **Make sure the drive is made public before sharing.** If the drive is not accessible, you will not be graded.

Project

- Zip the entire project with all required source code into one .zip archive and upload the same to drive. **OR** upload the project to GitHub.
- Provide a clean README on how to execute the project.
- **Make sure the drive/GitHub repo is made public before sharing.** If the drive/repo is not accessible, you will not be graded.

Question Pool for Coding Assignment

Easy

- [Question 1: Squares of a sorted array](#)

Medium

- [Question 1: 3 sum](#)
- [Question 2: Container with most water](#)
- [Question 3: string to integer atoi](#)

Hard

- [Question 1: The Skyline problem](#)
- [Question 2: Median of two sorted arrays](#)