## SOFTWARE PROJECT MANAGEMENT – EXERCISE 3

Choose the same single option, either A or B, as in the previous exercises, with the same teammates.

### A. Final project

1. Presentation
   a. Sign up online to present in class via Google sheets. Availability is on a first come first serve basis.
   b. Prepare a 7-minute presentation using PowerPoint. Your presentation should include:
      1) Idea and audience
      2) Competition
      3) UI/UX prototype with inVision
      4) Software system architecture
      5) Critical fronts:
         a) Time: prepare a single slide for time with a diagram visualizing the project schedule by milestones, features, and personnel.
         b) Resources: Prepare a single slide for resources describing the resources required for each stage in your project development.
         c) Scope: Prepare a single slide describing the scope, classifying features into mandatory, optional, and future work.
   c. Submit your presentation via Moodle.
   d. Present your work in class in the scheduled time. Let one student present. Practice your presentation in advance, time yourself, and slow down a little. Allow a couple of extra minutes for questions.
2. Survey
   a. Create a user/customer survey using Google Forms. The survey should include 7 questions addressing your project's functionality, design, and usability. Include both general questions as well as questions specific to your project.
   b. Share your inVision prototype and survey with another project's group and have their teammates answer your survey (state which group, and you may answer their survey in return, in pairs of groups).
   c. Submit your survey, and answers via Moodle by sharing.
3. Source: create a free GitHub or Bitbucket account for your project, and provide a link.
4. Teamwork: sign up a free Slack and create a team. Invite your teammates, create relevant channels and shared resources for your project. Provide screenshots.

**B. Self-driving cars**

1. Presentation
    a. Sign up online to present in class via Google sheets. Availability is on a first come first serve basis.
    b. Prepare a 7-minute presentation using PowerPoint. Your presentation should include:
        1) Audience
        2) Competition
        3) System architecture of the open source self-driving car platform selected in exercise 2.
        4) Critical fronts: describe the application of the open source self-driving car platform selected for upgrading a car to be autonomous across the following dimensions:
            a) Time: prepare a single slide for time with a diagram visualizing your schedule by milestones, features, and personnel.
            b) Resources: Prepare a single slide for resources describing the resources required for each stage in your implementation.
            c) Scope: Prepare a single slide describing the scope, classifying capabilities into mandatory, optional, and future work.
    c. Submit your presentation via Moodle.
    d. Present your work in class in the scheduled time. Let one student present. Practice your presentation in advance, time yourself, and slow down a little. Allow a couple of extra minutes for questions.
2. Survey
    a. Create a user survey using Google Forms. The survey should include 7 questions addressing self-driving car functionality and usability. Include both general questions on car autonomy as well as questions specific to your platform.
    b. Share your survey with another project's group and have their teammates answer.
    c. Submit your survey, and answers via Moodle by sharing.
3. Source: compare between GitHub and Bitbucket and provide a table comparing 5 criteria.
4. Teamwork: join the self-driving-cars Slack team at https://self-driving-cars.slack.com, by signing up and requesting an invite. Join or create relevant channels and shared resources for your platform. Provide screenshots.