1. **Goals**

This phase includes the use-case model of the system. The goal is to specify business level and system level use cases. Bonus points will be given for describing use case behaviors with activity diagrams (see "Submission" section).

You should also include the requirements document as part of your submission. This part is not graded but is used to check that your use-case model is consistent with the requirements.

2. **Responsibility Distribution**

The tasks should be distributed uniformly among the members of the group. You are required to describe the responsibility of each member in executing the phase.

Define the role and actual work of each member, in the level of functional responsibility: each member is responsible for some modules and/or functionality of the system.

3. **Submission**

This phase includes use-case models for business and system levels and a cross reference table to indicate consistency with the previous submission. The document (including previous phases) should be printed and submitted as one coherent document. The cover page should include the group name, and the names and ids of all group members. Use Robolib SSS document as a reference for the format of the submission (diagrams, tables etc.).

Please inform Dmitry (pidan@cs) of any problem, and in particular Miluim, as soon as such issues arise.

3.1 **Business level model**

The model should include the following components:

- Business level use-case diagram (for business level actors or stakeholders)
- A table of stakeholders and their interests
• A table of business level use-cases and their description

3.2 System level model
The model should include the following components:
• System level use-case diagram
• A table of stakeholders and their interests
• A table of system level use-cases and their description
• A textual specification for each use-case that includes:
  o Use-case name and goal
  o Use-case stakeholders and their interests
  o Pre and post conditions
  o Trigger event
  o Main Success Scenario
  o Alternatives and exceptions

3.3 Cross reference table
Extend the requirement table in the requirements document to include forward traceability columns, which indicate for each operational requirement and other relevant requirements the use case that implements it.

3.4 Extras
Bonus (5 points): provide a system-level activity diagram that describes the flow between system level and business level use-cases (use the activity diagram on page 2 in the Robolib SSS document as a reference).
Bonus (5 points): for the largest system level use-case, provide an activity diagram that describes the MSS and all alternatives and exceptions of this use-case. The use-case is considered largest if it has the greatest number of alternatives and exceptions among all use-cases.

Good luck!