**Team Project**

**1.   Purpose and Method**

The purpose of the course project is to provide the students with the knowledge of software engineering methodology and the skills to apply it. The particular project is not the goal in itself; rather, it serves as a vehicle to apply your knowledge and to develop the skills.

**2.   Teamwork and Project Management**

Each team consists of 4 to 6 students working on one of the two projects.:

* Restaurant Automation;
* Parking Garage/Lot.

All team members must take part in all project activities and **none** of the activities should be done exclusively by one student. Each team member or a pair must be *responsible* for all aspects of development required for the features they own, although it is acceptable to seek help from colleagues who are more knowledgeable about particular technical work (e.g., database integration, user interface design, etc.).

**Project management** deals with organizational matters that are needed for effective teamwork. Team members may elect one “team leader” who will take a lead in project coordination activities, or may decide to share coordination responsibilities.

Most importantly, *each team member must be proactive*, rather than waiting to be assigned the duties by the team leader or anybody else. Remember, *all team members are****equally****responsible for****all****aspects of the project.*

**3.   Project Report**

Each team must submit a written report for their project and the report will be graded as a whole. **Negative points will be assigned to reports missing- or having an incomplete content as follows.**

* **Introduction document (within 10M):** Comprehensive description of the team work. The content shall include but not limited to the team composition and division of labor, the project scenarios, solved practical problems, adopted implementation solutions, etc.
* **Demonstration video (visit link):** Demonstrate the main use process of your demo within 3 minutes, upload it to Tencent Video (<https://v.qq.com/cm/upload/index.html>), Youtube (<https://studio.youtube.com/>), or else.
* **Source code (visit link)**: Github ([github.com](http://github.com/)), Gitlab ([gitlab.com](http://gitlab.com/)), TGit (<https://code.tencent.com/>), or else.

**4.   Project Grading Policy**

Given that this is a design project, it is impossible to define precise grading criteria. The grades will inevitably depend on what student teams have to offer—so, grading is “market-based.” Those that offer the most-impressive product, receive the highest grade. Which means that, if you receive a grade you are not happy with, it is not necessarily that you did bad work; rather, it is that others did better. Of course, there may be several teams with an impressive product, so several teams may receive the maximum grade.

