Weekly Update

**Group Name and Number: IllegalGroupNameException,
____Group 8_____**

**TA:_____Li Yunkai_____
We met with our TA for _240__ mins, in person/on Zoom this week.**

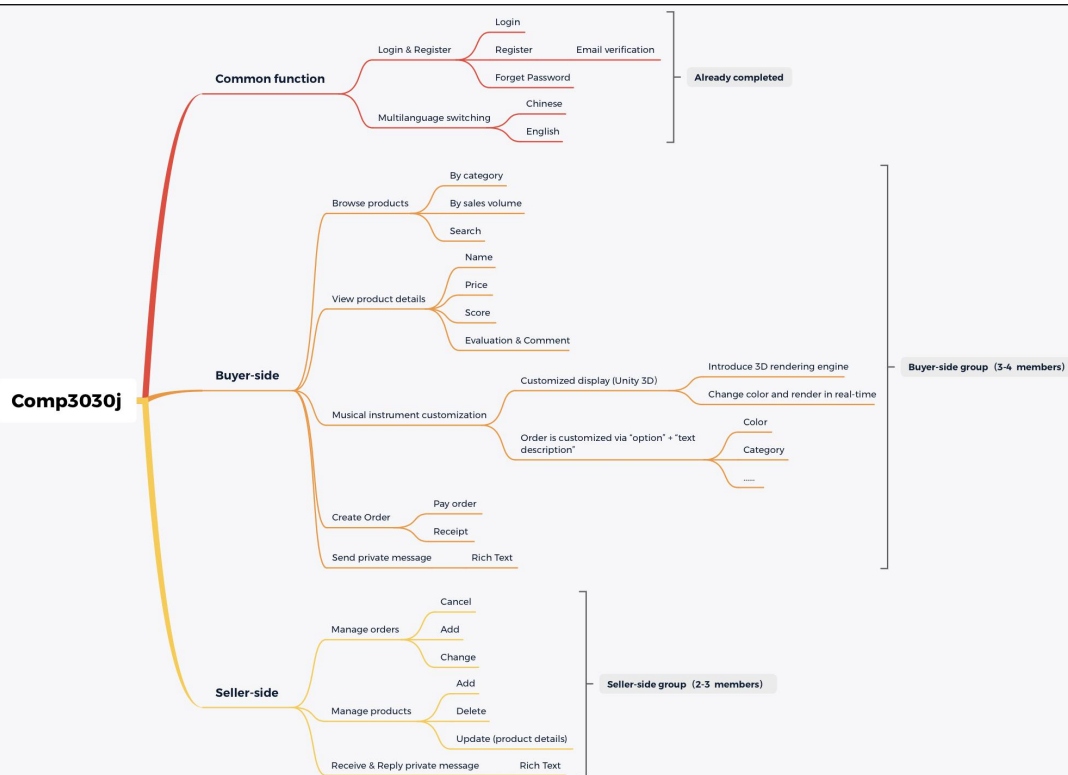|	Item
1.	**What our group has done since our last meeting:** 1. Determine grouping and the TeamAgreement AAfter receiving the notification sent by the professors, six members of our group completed the grouping and registered on csmoodle. Moreover, the TeamAgreement specifies regulations to follow in the group. After that, we analyzed the skills that our team members are good at, and preliminarily arranged the responsibilities of each member. ①: Yang Liuxin and Zhan Yi are responsible for recording the course points, timely checking the course information released by the professor and feeding it back to the team members, and recording the meeting points for integration during the meeting. Weng Han, Ma Zixiao and Chen Zheyu are responsible for modifying the TeamAgreement. ②: Wang Yuyang is responsible for the arrangement and guidance of the project technology and determines the technical details and version configuration used in web development. At present, our group adopts Django 2.2, Bootstrap 4, and creates a group project on GitLab for project management. 2. Group meetings After the teacher released the basic requirements of the website, our group held the first offline meeting on February 26, 2022, from 14:00-18:00. From left to right, the group members are Weng Han, Zhan Yi, Wang Yuyang, Yang Liuxin, Ma Zixiao and Chen Zheyu shown in the ipad who is attending our online meeting because of quarantine.

2.1 Determine the task allocation

In this meeting, our group members carefully analyzed the problem statement of the "Musical Instrument Website". Then we divide the problem into three main tasks: buyer-side, seller-side, and their common functionalities. Firstly, the main essential functions of the buyer-side are for shoppers to browse products, view product details, customize musical instruments, create orders, and send private messages. Secondly, the seller-side is for sellers to manage orders, add and manage products and reply to private messages. Thirdly, the common functionalities include login, registration and language switching.

After the discussion within our group, the job allocation is shown as follows: ①: Wang Yuyang and Ma Zixiao are responsible for the project development of the seller-side, and the remaining four members are responsible for the development of the buyer-side. For the buyer-side. ②: Weng Han is responsible for the customized musical instruments. ③: Yang Liuxin is responsible for developing functions related to the product details, ④: Zhan Yi is responsible for products browsing. ⑤: Chen Zheyu is responsible for order creation and message sending. ⑥: In addition, all group members will develop the common functions of buyer-side and seller-side.

The following figure shows the detail of the individual job allocation for each group member.

2.2 Learning related technologies

Compared with the front-end and back-end separate project development, modular development can avoid the inefficiency problem caused by the different work progress of members in the group. In addition, letting each member complete a part of the complete project function can improve the development of all members' ability to avoid the uneven distribution of tasks.

Compared with the flask framework that we learned in the last semester, Django provides a one-stop solution distributed from templates, ORM, Session, Authentication, etc. The app and admin are generated in the background, which is very convenient. Therefore, in this large-scale project, we choose the Django framework in the project development. In addition, considering that our web project may be deployed to the mobile phone, to better adapt to the size of the screen and reduce the maintenance cost of the code, we use Bootstrap to complete the front part.

During the meeting from 15:30 to 18:00 on 26th February, members of our group helped each other and learned the above-mentioned related technologies together, which is shown in the following figure.

2.	**Contributions of each team member since our last meeting (show overall % contribution):** This week, Wang Yuyang acted as a technical guide to assign work tasks. Other students completed the configuration of the software environment under the guidance of Wang Yuyang, and joined GitLab to start development. 19206226 Wang Yuyang: 17.5% (group leader of this week, so do a little more things. But each team member take turns to be the group leader.) 19206207 Yang Liuxin: 16.5% 19206235 Zhan Yi: 16.5% 19206177 Weng Han: 16.5% 19206230 Ma Zixiao: 16.5% 19206232 Chen Zheyu: 16.5%
3.	**We have the following questions and/or issues that we would like to discuss:** 1. Some team members are not familiar with Django and Bootstrap. It will take 2-3 days to learn and start developing together. The problems encountered in the initial stage of learning will be solved by group mutual help. 2. The current plan is to complete the assigned tasks within one or two weeks. If there is any situation that cannot be completed on time, it needs to

	be reported to other group members in time and actively negotiated. 3. Considering the large engineering volume of the whole project, we adopt the development method with the back-end as the core. In other words, we will realize the essential functions firstly and then optimize and improve the front-end in a unified way. The advantage of this is that there is more time to optimize and test the project. However, the problem is that it may lead to difficulties in coordination between various modules and difficulty to integrate with the early stage. We need to find problems in subsequent development, adjust them in time, and solve them together.
4.	**What we plan to do before the next meeting:** 1. Learn and proficiently use Django and Bootstrap to complete the project development tasks assigned by each person. Moreover, every Saturday from 14:00-18:00, a meeting is held to discuss, integrate, and improve the project.