

Weekly Update

Group Name and Number: IllegalGroupNameException Group8

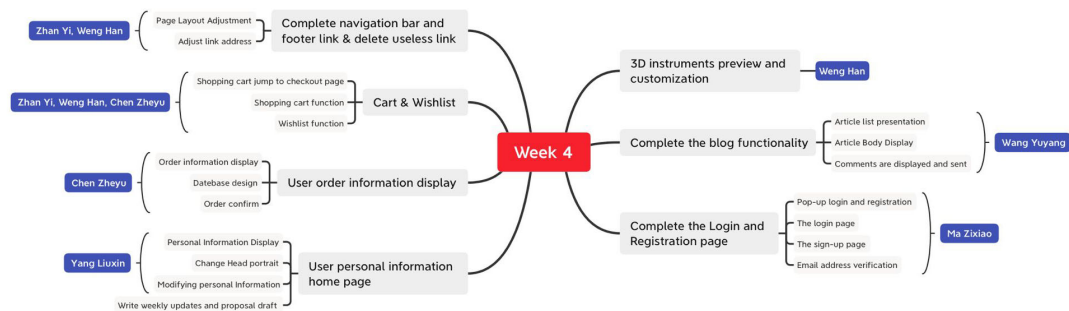
TA: _____ Li Yunkai

We met with our TA for _45_ mins, in **person**/on Zoom this week.

Item

What our group has done since our last meeting:

The following figure gives an overview of what our group has done the last week, which will be explained and presented in detail in the following sections.



1.

1. Group Meetings

This week, we had **two face-to-face meetings**, one with our TA when we reported our finished work done the last week and asked for his help to review our **project proposal** draft; the other was held to **solve problems as a team**.

For the meeting with our TA - Li Yunkai, he gave us much valuable advice on how to improve our **project proposal**. We very much appreciate his kind help. The following figure showed us working after the meeting with our TA in the exchange room of teaching building 4. (At that time, another team member was still working online with us during the quarantine time, so he was not shown in the figure.)



We reported what we had done the last week and solved encountered problems as a team for our meeting. Wang Yuyang spent much effort resolving the database conflict and merging our branches. He suggested that we report problems in time rather than leaving all difficulties until the group meeting.

With the group's help, all the other team members finished our work successfully. The following figure shows that some teammates were still working on our group project after the group meeting. (Chen Zheyu, who was in quarantine for four weeks, is back and attended our group meeting this Saturday in person!!!)

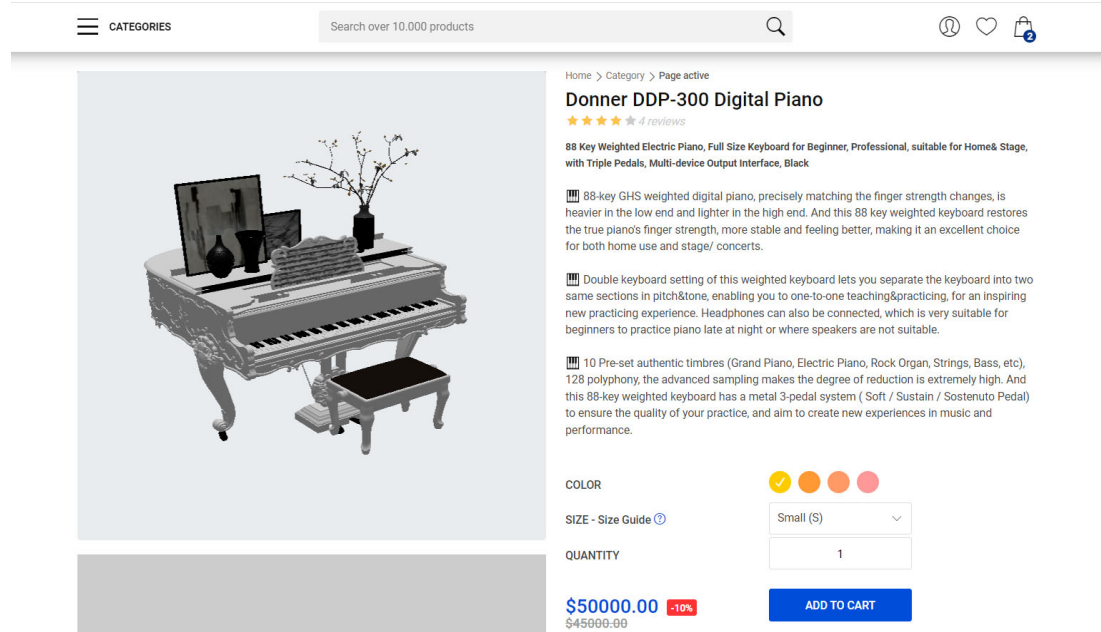


2. 3D Finished product preview

Our group allows the 3D instruments models to be displayed on its information page this week. 3D instruments models preview and customization is one of the significant features of our project. We are firmly convinced that our group effort to develop this feature can distinguish us from other teams and give professors something new and exciting.

Weng Han is mainly responsible for implementing the 3D preview. In the product preview, we downloaded a lot of visually ascetic 3D models from the internet and loaded them into our detail preview page using three.js. Moreover, to better preview, we have added buttons such as zoom in, zoom out, rotate, etc., so that users can feel better in control of our project. At present, in order to make the web page more user-friendly, we try to restrict the area of zooming the web page and the zooming the model on the preview page of the web page so that the user will not affect the entire page when the user zooms the model with the mouse. In other words, we have provided a better user experience by distinguishing the area where users can use the mouse to zoom in or zoom out the presented 3D instruments and the area where users can scroll up or down the page as usual.

The following figures show the 3D instrument model on the information page. Users can play with it by clicking the buttons on the left upside, and they are “zoom-out”, “zoom in”, and “rotate”. We will give a more detailed presentation about the 3D model's preview in the mid-term video.

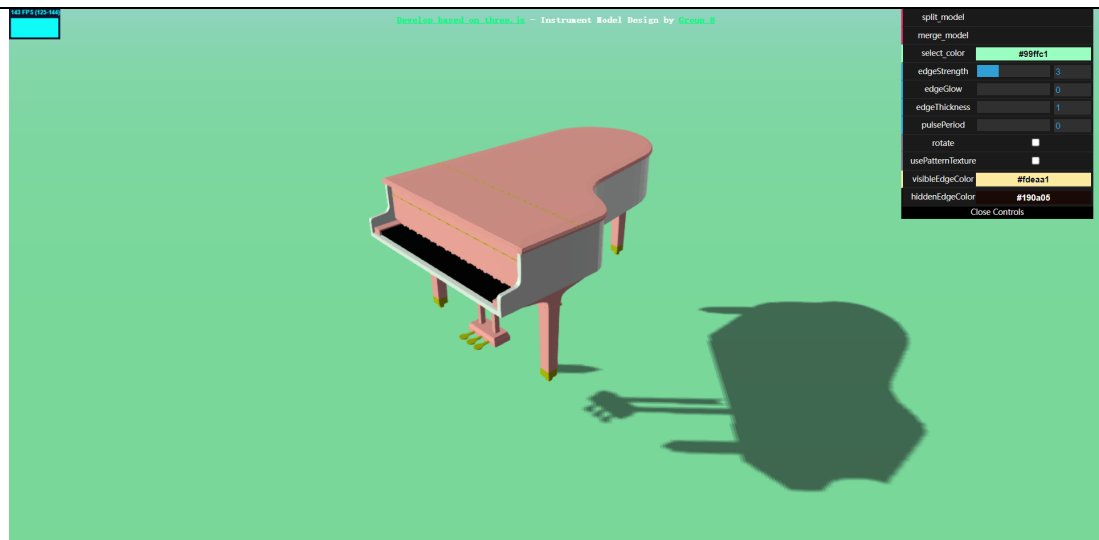


3. 3D instruments customization

This week our team member Weng Han mainly contributed to the [3D instruments customization page](#). We were all amazed by the beautiful [instruments rotating](#) slowly on the web page.

Furthermore, after [group discussion](#), we gave some advice to Weng Han and asked him whether the interaction and presentation could be more [user-friendly](#). Inspired by that, Weng Han decided to employ some style from [Tesla](#) to allow our project to better cater to users' requirements.

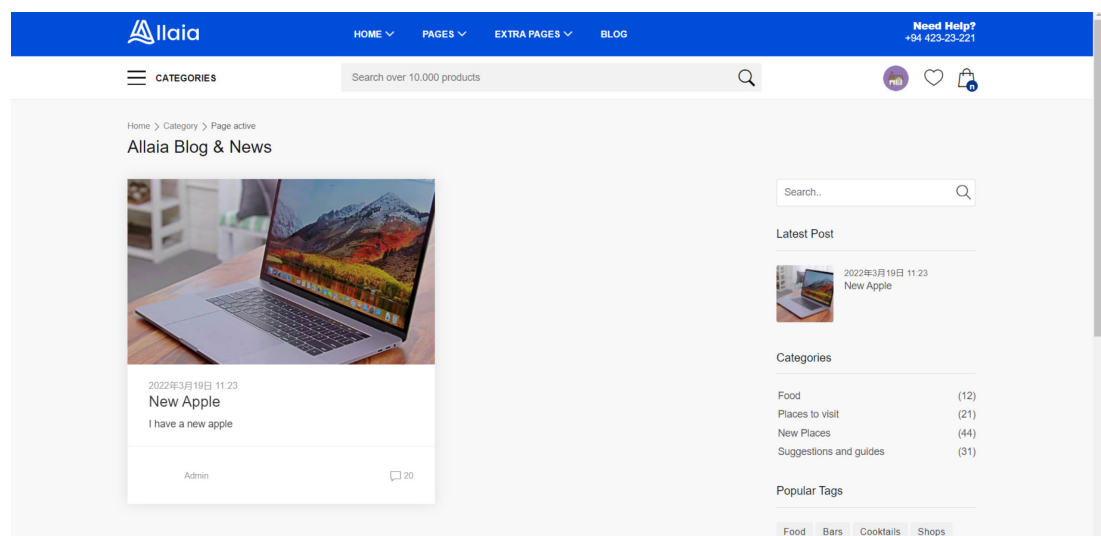
At present, we mainly realize the model customization of piano and guitar. Considering more specific functions, we used three basic guitar models and edited and modified them; the user can [adjust its colour](#) and [disassemble](#) and [assemble](#) the whole. The picture below is a model of our newly finished piano this week. We feel that [customized pink pianos](#) are [more attractive to some users than traditional black and white pianos](#). (seen from below)

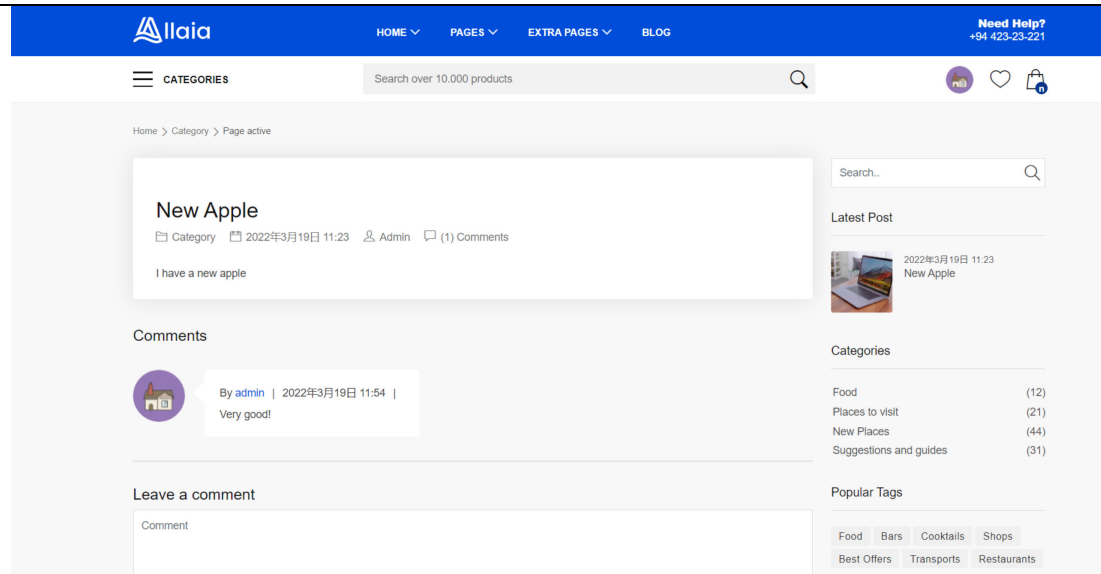


4. Blog

This week we got into Blog development. First of all, we have [classified different blogs](#), and users can [search](#) for blogs they are interested in according to different tags and tags. In addition to this, we have also developed a [comment](#) function where other users can comment on published blogs. Our team is considering implementing a category column similar to musical instruments in the blog module. Users who have purchased different musical instruments can discuss in different columns to achieve the effect of a buyer's show.

The following figures present the **initial version** of our project. We definitely will [improve the front-end work to make it more visually ascetic](#), but for now, we will mainly focus on developing features as quickly as possible.

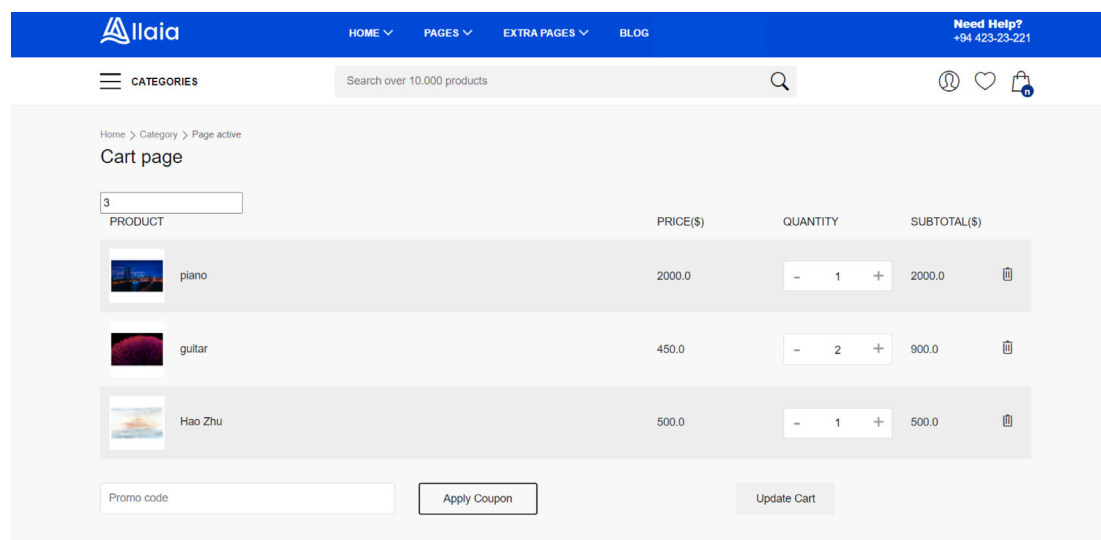




5. Cart and wish-list

This week we continued to refine the functionality of the shopping cart and wish list. The shopping cart has realized the functions of **adding and deleting** and can be saved to the database according to different users. In the settlement, we consider the use of **coupons and discounts** by users. Therefore, the settlement part is still under discussion and adjustment. The wishlist feature has been implemented with a dataset on the back-end, and on the front-end we plan to use an empty and filled heart icon to indicate whether the product is added to the wishlist. At present, we have imported the font library to realize this function.

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6. User order status tracking

In terms of order tracking, we plan to achieve both display on the user side and the merchant side. We have now realized the viewing and modification of the order status in the merchant's background. The merchant can move forward and backwards to a specific order status on order tracking page. After clicking submit, the modification can be saved. Moreover, the background page also has a message box for the order status; users can comment and remark the order.

7. Personal information (presentation and modification)

This week Yang Liuxin is responsible for developing the personal information page, including the front-end and back-end work. When developing the back-end work, she intended to use the standard form to upload and update information. However, another team member - Wang Yuyang suggested that she could use the Bootstrap form for development, which was much easier and more convenient. Many thanks to the collaboration; we have an opportunity to learn from other members and contribute to our project together.

The screenshot shows a web interface for a user profile and registration. On the left, a user profile for 'John Doe' is displayed, including a profile picture, name, title 'Full Stack Developer', location 'Bay Area, San Francisco, CA', and social media links for Website, Github, Twitter, Instagram, and Facebook. On the right, a registration form is shown with fields for Username, Email, Phone, and Address, each with a green checkmark indicating successful input. A 'Submit' button is located below the form. Below the form, there is an 'Order Status' section.

8. Login and register

This week we improved our login and register functionalities and applied them to our home page. During the meeting, Zhan Yi and Yang Liuxin wondered whether we could develop more ascetic pages for login and registration. Other team members considered it carefully and suggested that we were recommended to let “functionalities” go first, then take the “presentation” into account since there are a few weeks before we are required to record and upload our mid-term presentation.

9. Brainstorm our project proposal and write draft for it

	<p>This week, we watched the videos our professors recommended and got precious experience from them. Then we wrote our proposal draft and asked our TA for some improvement advice.</p>																					
2.	<p>Contributions of each team member since our last meeting (show overall % contribution):</p> <table><tr><th>Name</th><th>Contribution</th><th>Work Done</th></tr><tr><td>Wang Yuyang</td><td>16.6%</td><td>1. Assist members in the group to resolve bugs and conflicts caused by branch merges on GitLab. 2. Complete some functions of the blog</td></tr><tr><td>Yang Liuxin</td><td>16.6%</td><td>1. Develop the personal profile page, including both front-end and back-end work. This allows users to show and modify their personal information. 2. Write part of the weekly update.</td></tr><tr><td>Zhan Yi</td><td>16.7%</td><td>1. Implement shopping cart functionality 2. Implement wishlist functionality 3. Write part of the weekly update.</td></tr><tr><td>Weng Han</td><td>16.7%</td><td>1. Realize 3D customization 2. Realize the display and preview of 3D finished products 3. Implemented some shopping cart and wishlist functions</td></tr><tr><td>Ma Zixiao</td><td>16.7%</td><td>1. Implement merchant-side order tracking (Not shown in the scheduled picture below because it is an additional function) 2. Complete the login and registration</td></tr><tr><td>Chen Zheyu</td><td>16.7%</td><td>1. Realize the generation of orders 2.Implement shopping cart functionality</td></tr></table>	Name	Contribution	Work Done	Wang Yuyang	16.6%	1. Assist members in the group to resolve bugs and conflicts caused by branch merges on GitLab. 2. Complete some functions of the blog	Yang Liuxin	16.6%	1. Develop the personal profile page, including both front-end and back-end work. This allows users to show and modify their personal information. 2. Write part of the weekly update.	Zhan Yi	16.7%	1. Implement shopping cart functionality 2. Implement wishlist functionality 3. Write part of the weekly update.	Weng Han	16.7%	1. Realize 3D customization 2. Realize the display and preview of 3D finished products 3. Implemented some shopping cart and wishlist functions	Ma Zixiao	16.7%	1. Implement merchant-side order tracking (Not shown in the scheduled picture below because it is an additional function) 2. Complete the login and registration	Chen Zheyu	16.7%	1. Realize the generation of orders 2.Implement shopping cart functionality
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3.	<p>We have the following questions and/or issues that we would like to discuss:</p> <p>1. In the shopping cart module, we consider discount coupons and discount promotions, such as 10% off the second item or 10 yuan discount coupons over 1,000. We are now optimizing the database to implement better the shopping cart checkout function with this feature in mind.</p> <p>2. In the blog module, we only implement the function, and currently, there is no precise connection between the front end and the database. so the</p>																					

	<p>content displayed on our page is still static. Since in reality, users do not use our website, the database used for display and testing requires our developers to fill in as fake users, so imperfect testing is a problem.</p> <p>3. In the 3D custom model, we have not found a good template to realize the user-friendliness of the personalized custom page. How to save the user-customized model and realize the collection and purchase is also a problem we need to overcome.</p>
4.	<p>What we plan to do before the next meeting:</p> <ol style="list-style-type: none"> 1. Finish our project proposal. 2. Consider what tools to use to record the mid-term presentation. 3. Continue to implement and refine the cart and wish list 4. Continue to develop some features of the blog 5. Implement order tracking on the client-side 6. Improve the order tracking on the merchant side 7. Improve the browsing experience of 3D models and speed up access 8. Allow the front-end and back-end of the order status tracking to be connected and finish the feature of order status tracking.