Weekly Update

Group Name and Number: IllegalGroupNameException
Group 8_____

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

|	Item
1.	What our group has done since our last meeting: **Group Meeting** This week, we had two group meetings, one with our TA - Li Yunkai and the other ourselves. The following figures show our group developing the project together as a team, with each member shouldering different but equal responsibilities. 1. Implement the instant messages functionality This week Wang Yuyang and Chen Zheyu cooperated to finish the functionality of the instant message. The current user can choose any user to have a chat. Currently, text can be sent, and rich text communication will be implemented later. In the conversation list, you can display the user you have communicated with, and display his simple personal information (name, avatar, email). The user avatar of your current chat will also be displayed on the chat box. The delivery time is displayed below each message. The following figure shows our current interface of instant messages. Later we

will change the colour style to "yellow" in order to be consistent with our presentation style.
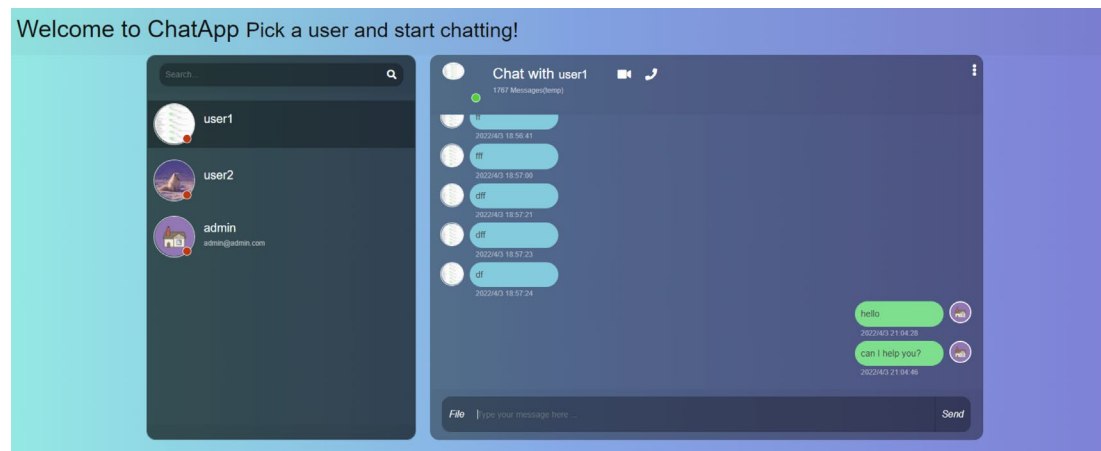
2. Implement the company profile

This week, Yang Liuxin implements the company profile, illustrating the motivation of local shops hiring us to develop the project, features and services that our project can provide, and the staff of our company. The following figure shows our current company profile. Regarding the specific information displayed on this page, our group is still discussing, because we do not know whether the us in this "about us" refers to our group development team or this family shop. If it refers to the latter, we will make up some company introductions later, such as the company's history, culture, geographical location, contact number, etc.
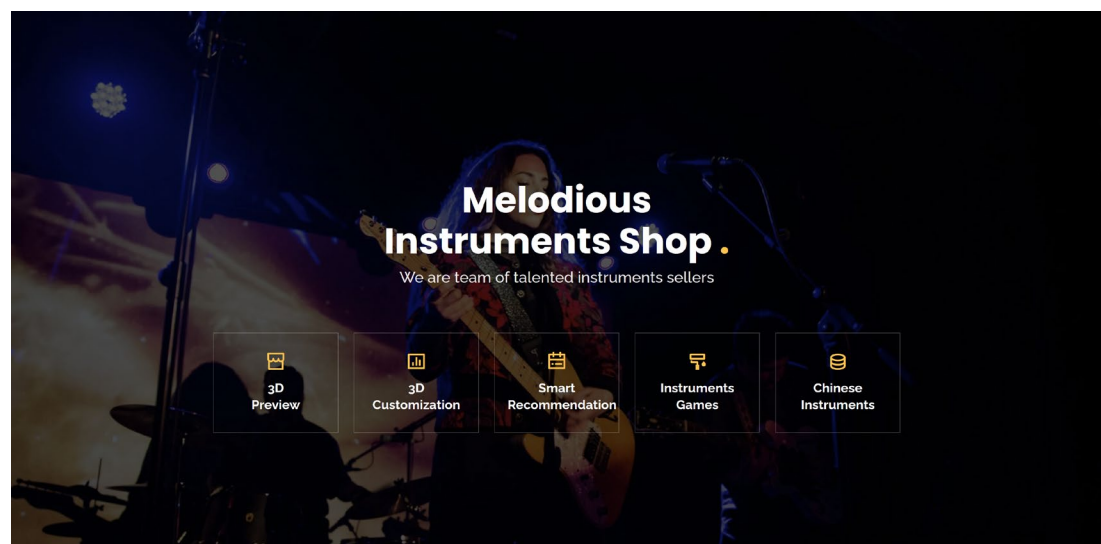
Shift from brick-and-mortar retail to e-commerce

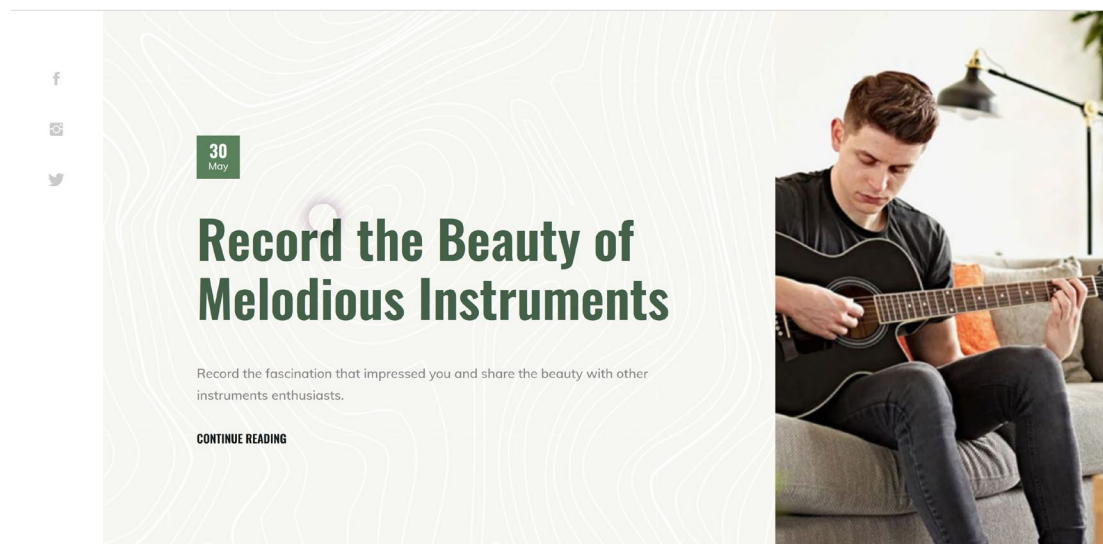This is a Melodious Instruments Shop that was **run in physical business by a family previously**.

- Firstly, our store has essential functions for online shopping

- To give customers immersive shopping experience, our project employs the usage of 3D instruments preview and instruments playing games in our website.

- Our shop is original in allowing customers to interact with 3D models to customise their preferred instruments, which have not gained much prevalence in current e-commerce.
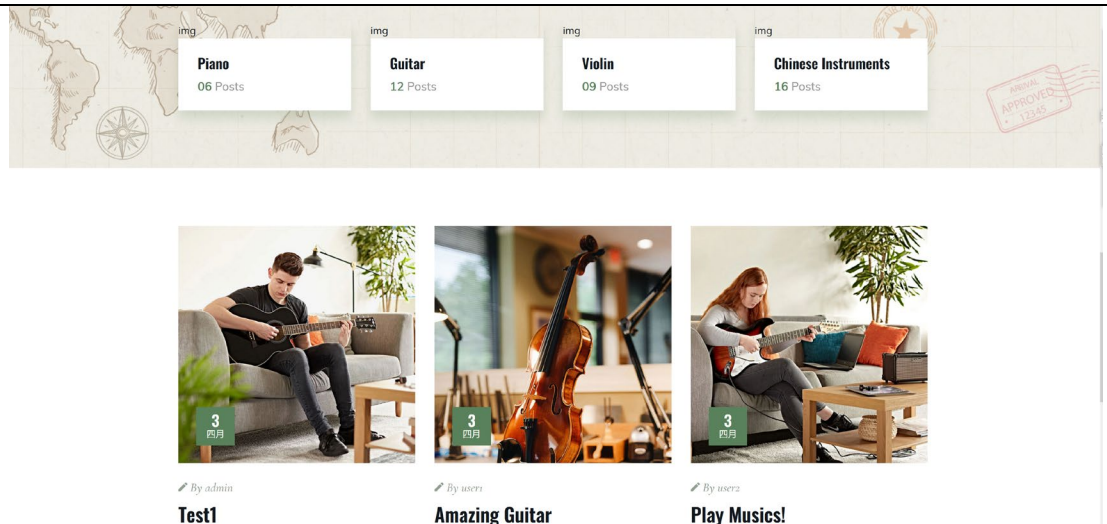
In the context of the pandemic, the family-owned instruments local shop was forced to close their physical business and is now anticipating **e-commerce as a auxiliary or alternative sales channel**.

3. Interface the blog project with project

This week Ma Zixiao updates the blog page template and interfaces the new front-end with the existing workable back-end of the blog functionality. Blog is a new feature developed by our team. Because as a musical instrument sales website, if we want to attract customers better, we need to provide them with a communication platform, where different musical instrument lovers can share their creations with each other and exchange their experiences after purchasing musical instruments. We believe that music knows no borders, any musical instrument lover who joins our website can find their own field here and share what they see and hear. The realization of the Blog function can provide convenience for cultural exchanges on the one hand, and create additional benefits for the website on the other hand, which is a good thing that kills multiple birds with one stone.

30 May

Record the Beauty of Melodious Instruments

Record the fascination that impressed you and share the beauty with other instruments enthusiasts.

CONTINUE READING

Piano — 06 Posts
Guitar — 12 Posts
Violin — 09 Posts
Chinese Instruments — 16 Posts

By admin — Test1
By user1 — Amazing Guitar
By user2 — Play Musics!

4. Implement the data visualization system

This week Wang Yuyang improved the employee portal with additional functionality - data visualization of products. The following figure shows our products overview. It is essential to notice that this page is dynamic, with different products moving to the spotlight one by one. The reason for developing this detailed page is to provide the employees with a detailed overview of existing products. For example, displaying the company's total turnover and the best products sold can let the managers of the musical instrument store clearly know the company's earnings and consumer preferences, and better formulate the scale of their products, avoiding part of the business risk.
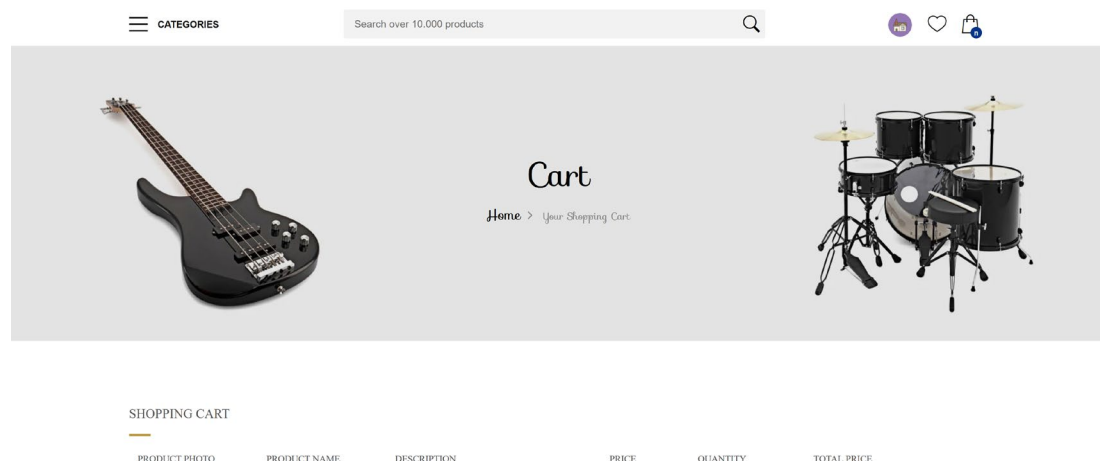

In this picture, we mainly display the order information, which can let the company administrator better know the main distribution scope of buyers, and the statistics of the order data can find the target customers faster, and

facilitate the subsequent marketing of advertising delivery. means to expand the company's business footprint.

5. Beautify the shopping cart page

This week some of our team members are focusing on beautifying front-end pages. Zhan Yi updated the new template for the shopping cart with enthralling picture resources. The back-end work of the shopping cart has already been completed. The following figure shows our current shopping cart.

SHOPPING CART

PRODUCT PHOTO	PRODUCT NAME	DESCRIPTION	PRICE	QUANTITY	TOTAL PRICE	
	Hao Zhu	Lorem Ipsum is simply dummy text of the printing and typesetting industry.	500.0	− 1 +	500.0	🗑
	piano	Lorem Ipsum is simply dummy text of the printing and typesetting industry.	2000.0	− 1 +	2000.0	🗑

CACULATE SHIPPING

Select your Counttry

United States (USA)...

Select your State   Zip Code

State / City...   Zip code...

UPDATE SHIPPING

COUPON CODE

You can find coupon code from our Activities !

Enter your Coupon code...

REDEEM CODE

CART TOTALS

Cart Subtotal	$ 2500.0
Shipping and Handling	$ 50.00
Cart Totals	$ 2500.0

PROCEED TO CHECKOUT

6. Beautify the wish-list page

This week Zhan Yi also beautified the template of the wish-list page with the unified style as the shopping cart. The following figure shows the current front-end of the wish-list.

CATEGORIES   Search over 10.000 products

Wishlist

Home > Your Wishlist

YOUR WISHLIST

PRODUCT PHOTO	PRODUCT NAME	DESCRIPTION	PRICE	AVAILABILITY	ADD TO CART	
	Hao Zhu		$ 500.0	IN STOCK	🛒	x
	guitar		$ 450.0	IN STOCK	🛒	x

7. Improve the 3D customization module

Since 3D customization is our unique innovative function, in order to better accomplish this specific function, we have recruited a lot of suggestions, and all team members have put forward their own ideas. In the previous version, we added the module selection function. Taking the piano as an example, if we want to change the color of the piano as a whole, rather than a certain

	part of the piano, we can click the "select all" button and choose the color we like to change. In addition, last week we added the function of taking screenshots, which can save screenshots of customized 3D models. Some users may repeatedly take screenshots of the model from the same perspective. These pictures are essentially the same, so when we delete the picture, all these duplicate pictures will be deleted, thus ensuring the convenience of the operation. In addition, in order to ensure that the model in the screenshot is the same customized product, once the model is saved, the product will no longer allow the color of the parts to be changed. If the user wants to go back and re-customize, the screenshot saved image will disappear. Finally, since we can zoom in, zoom out, rotate, select all, splicing, dismantling, screenshots and other functions of the model, in order to better introduce our feature to users, we provide helpful information for this purpose, so that the Our website is more user friendly.
2.	Contributions of each team member since our last meeting (show overall % contribution): | Name	Contribution	Work Done
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Wang Yuyang	16.67%	1. Implement part of the instant messages function (back-end work) 2. Implement two pages for data visualization
Yang Liuxin	16.67%	1. Implement the company profile page (about us) 2. Collect template resources 3. Write part of the weekly update
Zhan Yi	16.67%	1. Modify the shopping cart page 2. Modify the wishlist page 3. Write part of the weekly update
Weng Han	16.67%	1. Login and registration page beautification 2. 3D relevant presentation 3. 3D model design and page integration
Ma Zixiao	16.67%	1. Modify blog page 2. Modify part of the index page 3. Implement the chat page filter function
Chen Zheyu	16.67%	1. Modify the instant messages page (front-end and part of the back-end work) 2. Collect figure resources	

3.	We have the following questions and/or issues that we would like to discuss: Based on the basic problem statement provided by the professor, we have added many new functions, such as 3D model display, 3D customization, Blog, mini-games, musical instrument partitions, etc. We hope that these completed features can be showcased in Week 8 with a smooth experience both from the front end and the back end. However, at present, there is no perfect unity between our various modules, so we strive to carry out an iteration next week. While improving the front end, we also test the functions to ensure the smooth delivery of the product in the eighth week.
4.	What we plan to do before the next meeting: 1. Improve and unify the front end, so that our website has a unified UI style, giving users a better experience visually 2. Functional testing, for the eighth week of product delivery. 3. Record a video to introduce the website we developed to the teacher from the user's perspective, such as the basic functions and special functions of our website. 4. Write part of the system documentation and user documentation