# MSC Online Platform Software Design Document

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### Build MSC An Online Platform

### Online platform that does the following:

- Introduce MSC and the members
- Provide an online community
- Showcase products that are available at the Retail Revolution Store

### Progress So Far:

- 1. Created mid-fidelity prototype and received feedback
- 2. Created the frontend of our web development
- 3. Weekly meeting with MSC, including Professor Bess

#### HomePageCarousel SocialLink Email UnsubscribeReason idx:int amail: str email:str comment:str img:str = link to the image facebook:str isActive:bool (Undecided what other survey kakao:str questions we will add) instagram:str addHomePageCarouselClick() subscribeEmail() unsubscribeEmail() submitUnsubscribeReason() addSocialLinkClick() TeamPagePerson **EmailDraft** ReceiverEmail id:int = PK subject:str idx:int EmailDraftId:int body: str = will be in format of 0..\* position:str email WYSIWYG editor. email:str img:str = link to the image createEmailDraft() removeReceiverEmailFromDraft() saveEmailDraft() createTeamPagePerson() deleteEmailDraft() updateTeamPagePerson() sendEmail() deleteTeamPagePerson() addReceiverEmailToEmailDraft() changeTeamPagePersonPosition() CollectionItemGroup id:int = PK CollectionItem title:str Inquiry image: str = link to the image name:str name:str email:str price:int addCollectionItemGroupClick() phone:str desc:str 0..\* question:str school:str date:str type:str sendInquiry() clickCount:int = how many times CollectionItemCatalogDisplay has users clicked on this item id:int = PK image0: str createCollectionItem() image1: str updateCollectionItem() image2: str deleteCollectionItem() image3: str addCollectionItemClick() image4: str incrementCollectionItemAttention() image5: str addKakaoClick() addInstagramClick() image6: str 0..1 image7: str addCollectionItemToGroup() image8?: str removeCollectionItemFromGroup() image97: str image10?: str image117: str UserActionLog image12?: str UserSession image13?: str userSessionId:int = FK image147: str id:int actionDateTime:int image157: str actionDetail:str addCollectionItemCatalogDisplayClick()

Email and Unsubscribe

Reason are

intentially not

connected

UML Class Diagrams

## UML Class Diagram - Email

#### **Email**

email:str isActive:bool

subscribeEmail() unsubscribeEmail()

#### UnsubscribeReason

comment:str (Undecided what other survey questions we will add)

submitUnsubscribeReason()

#### **EmailDraft**

subject:str body: str = will be in format of email WYSIWYG editor.

createEmailDraft()
saveEmailDraft()
deleteEmailDraft()
sendEmail()
addReceiverEmailToEmailDraft()

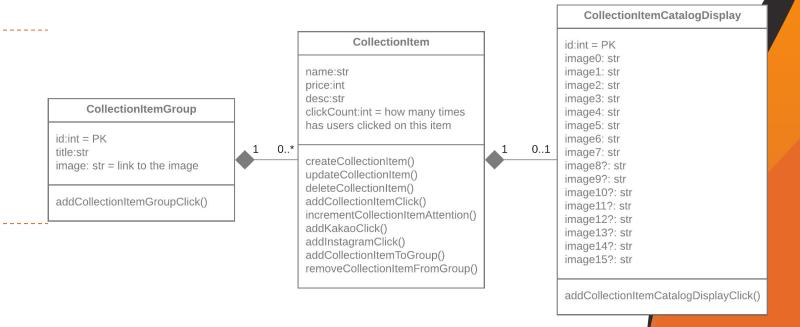
#### ReceiverEmail

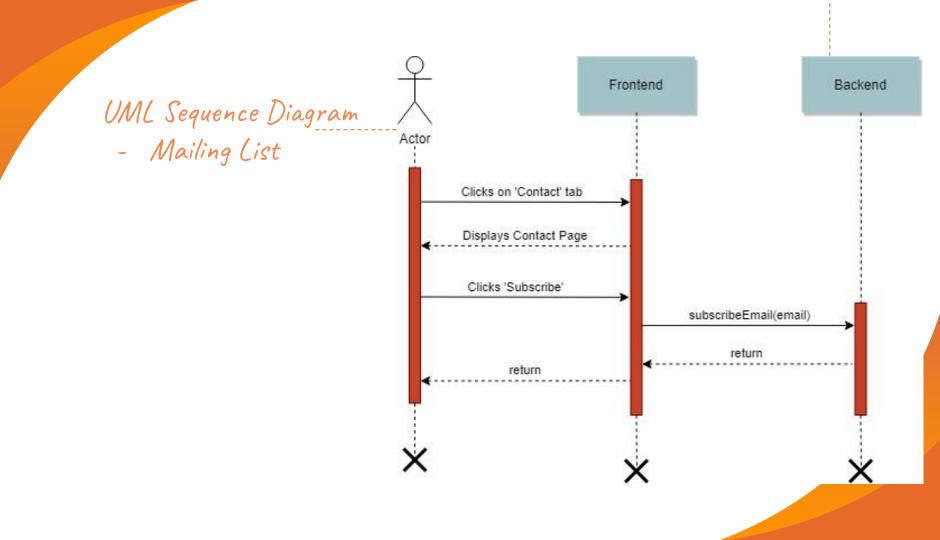
EmailDraftId:int email:str

0..\*

removeReceiverEmailFromDraft()

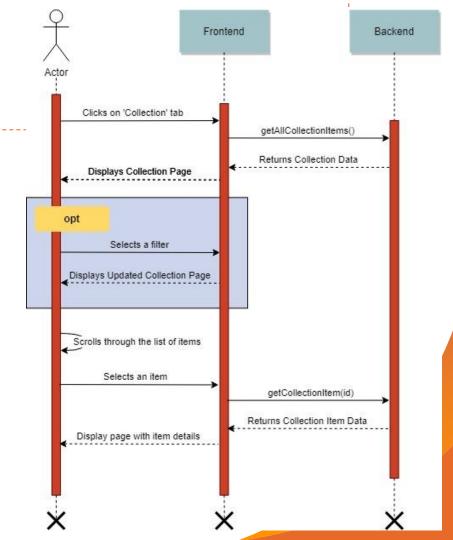
### UML Class Diagram - Collection Items







- Find Out About MSC Products



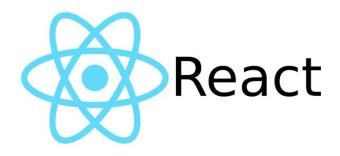
### -- Main Technologies Used

#### Frontend

- React.js (Version 16.14.0)
- React-Rotation: 360-degree Rotating Image
- Pannellum-React: Virtual Reality

#### Backend

- Django 3 + Django-Rest-Framework
- Django Heroku
- Django Cors Headers





### Deployment

Frontend Deployment: <a href="https://merchandising-society.web.app/">https://merchandising-society.web.app/</a>

- Firebase Deployment



Backend Deployment: <a href="https://sunyk-msc-backend.herokuapp.com/">https://sunyk-msc-backend.herokuapp.com/</a>

- Heroku Deployment



### Conventions Used

### HTML and CSS

- Google HTML/CSS Style Guide: https://google.github.io/styleguide/htmlcssguide.html#CSS

### Javascript

Google Javascript Style Guide:
 https://google.github.io/styleguide/jsguide.html

### Python

 Standard python convention, PEP 8: https://www.python.org/dev/peps/pep-0008/

### Schedule

- The project is managed via Trello
- Tentative Schedule
- Polished version submitted to MSC



Date	Milestone	Assigned To	Task
October 16	1	Haseung Lee	[API] Create the excel document that will have the list of API and details.
October 19	1	Everyone	[Frontend] Manage Subscribers section (Admin) done - David [Frontend] Search Bar in Collections page done - Daekyung [Backend] Start CRUD API for Subscribers section - Haseung
October 21	1	Haseung Lee	[Backend] Create the models for the data. [API] Add CRUD API for the models
October 23	1	Everyone	[Frontend] Web Analysis Section (Admin) done - David [Frontend] Products page will be done - Daekyung [Backend] Implement CRUD API - Haseung [API] Start creating more complicated API calls as well - Haseung
October 26	1	Everyone	[Frontend] Our Team & About Us page (Admin) will be done - David [Frontend] Check if users page and admin pages work accordingly - Daekyung [Backend] Should be in the process of implementing the rest of the api - Haseung [API] Completed excel document with all required API - Haseung
October 30	2	Everyone	[Frontend] Should be complete - David & Daekyung [Backend] Should be complete - Haseung
Nov 2	2	Everyone	Bugs fixed on the sections each worked on.

Thank You

## Questions?