

[Sprint 4 Report] Team 8, adoor

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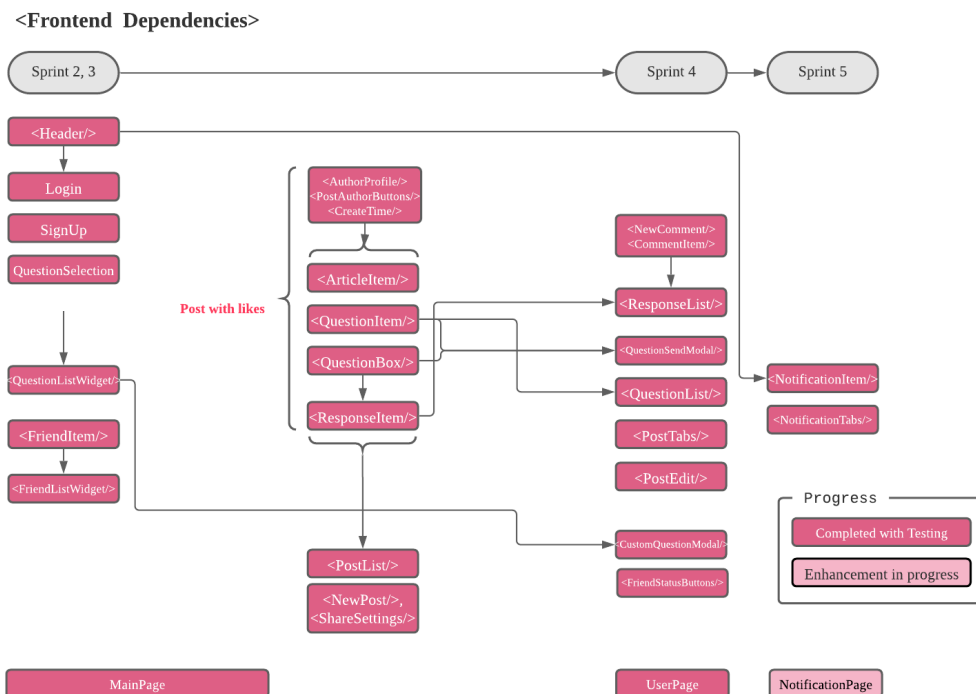
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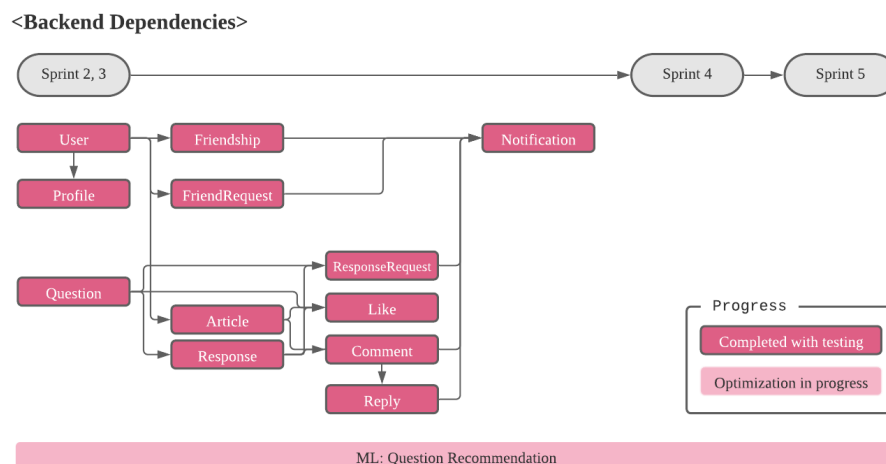
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Progress

- Frontend



- Backend



Difficulties

- **Technical Issues**
 - **Frontend**
 - **used Intersection Observer Web API to implement Infinite scroll**
 - Inefficient when implementing scroll events using `window.addEventListener`, So we adopted intersection observer instead.
 - Because Intersection Observer works asynchronously, there is no need to control the number of unnecessary function calls caused by scroll events using `debounce`, `throttle`.
 - In a scroll event, `offsetTop` is used to determine the current height value, and layout is redrawn each time to get the correct value. It degrades render performance. Instead, we used an `observe` function, and we used `isIntersecting` property to check the exposure and add a post.
 - **Testing**
 - Problems that cannot be tested for 'click' simulation in a enzyme mounted component(with redux store)
 - It had to use `'wrapper.update()'` for enzyme mounted component

Testing

- **Backend testing**
 - unit tests on model structures using `django.test`
 - implemented API test focusing on JSON responses and permissions
- **Frontend testing**
 - mainly component unit tests using `jest`, `Enzyme`
 - tested redux modules - tested post, question, notification, friend, search, user module : reducers on implemented actions and reducer state changes
 - E2E test per page is planned

Coverage

- **Frontend (Coverage)**

PASS src/components/SearchDropdownList.test.jsx					
File	% Stmts	% Branch	% Funcs	% Lines	Uncovered Line #s
All files	91.86	84.15	90.67	92.26	
src	100	77.78	100	100	42,50
App.jsx	100	77.78	100	100	
constants.js	100	100	100	100	
mockStore.js	100	100	100	100	
src/apis	100	100	100	100	
index.js	100	100	100	100	
src/components	94	89.13	92.65	94.05	
CustomQuestionModal.jsx	100	100	100	100	
FriendItem.jsx	0	100	0	0	7,15,16,17
FriendListWidget.jsx	100	100	100	100	
Header.jsx	92.16	87.5	87.5	91.67	110,114,144,145
ListItemLink.jsx	100	100	100	100	
NotificationDropdownList.jsx	92.86	100	75	92.86	56
NotificationItem.jsx	86.67	75	100	85.71	47,49
PageNavigation.jsx	100	100	100	100	
PrivateRoute.jsx	100	100	100	100	
QuestionListWidget.jsx	100	91.67	100	100	121
QuestionSendFriendItem.jsx	100	100	100	100	
QuestionSendModal.jsx	100	100	100	100	
SearchDropdownList.jsx	100	100	100	100	
src/components/comments	92	90	92.31	93.18	
CommentItem.jsx	88	88.89	85.71	86.36	52,66,72
NewComment.jsx	96	91.67	100	100	42
src/components/common	100	100	100	100	
AlertDialog.jsx	100	100	100	100	
src/components/friends	93.02	100	81.82	92.86	
FriendItem.jsx	100	100	100	100	
FriendStatusButtons.jsx	90.91	100	75	90.91	52,53,57
src/components/posts	88.54	80.73	80	90.06	
AuthorProfile.jsx	90	93.75	100	100	23
CreateTime.jsx	88.89	100	75	88.89	20
LoadingList.jsx	100	100	100	100	
NewPost.jsx	83.33	100	60	90	50
PostAuthorButtons.jsx	100	100	100	100	
PostEditItem.jsx	100	100	100	100	
PostItem.jsx	84.31	66.67	69.23	86.36	05,106,107,118
PostList.jsx	100	100	100	100	
QuestionBox.jsx	100	100	100	100	
QuestionItem.jsx	88.1	73.33	66.67	88.57	97,101,107,108
QuestionList.jsx	100	100	100	100	
ShareSettings.jsx	84.38	86.67	100	83.33	50,51,65,70,71
UserPostList.jsx	100	87.5	100	100	21
src/history	100	100	100	100	
index.js	100	100	100	100	
src/modules	90.29	85.06	94.39	90.58	
friend.js	100	100	100	100	
index.js	100	100	100	100	
like.js	100	100	100	100	
loading.js	100	100	100	100	
notification.js	100	100	100	100	
post.js	80.18	79.75	88.89	80.57	06,331,379,384
question.js	89.19	76.92	90.91	90.2	45,147,148,276
search.js	100	88.24	100	100	26,58
user.js	98.77	88.89	100	98.73	225
src/pages	94.1	80.77	91.74	94.22	
AnonymousFeed.jsx	90.48	50	87.5	90	33,34
FriendFeed.jsx	90.48	50	87.5	89.47	27,28
FriendsPage.jsx	100	100	100	100	
Login.jsx	96	87.5	100	95.45	55
NotificationPage.jsx	89.29	87.5	81.82	88.89	71,91,101
PostDetail.jsx	100	100	100	100	
PostEdit.jsx	100	100	100	100	
QuestionDetail.jsx	88.46	75	77.78	87.5	50,57,60

- Backend (pylint & Coverage)

Your code has been rated at 10.00/10 (previous run: 10.00/10, +0.00)

Name	Stmts	Miss	Branch	BrPart	Cover	Missing
-----	-----	-----	-----	-----	-----	-----
y__init__.py	0	0	0	0	100%	
raccount/__init__.py	0	0	0	0	100%	
raccount/admin.py	8	0	0	0	100%	
qaccount/apps.py	3	0	0	0	100%	
paccount/models.py	93	7	4	2	91%	103->104, 104, 113->122, 122-127
paccount/serializers.py	43	0	0	0	100%	
paccount/tests.py	202	0	0	0	100%	
account/urls.py	5	0	0	0	100%	
#account/views.py	114	3	16	1	97%	116->117, 117, 159-160
Ccomment/__init__.py	0	0	0	0	100%	
comment/admin.py	3	0	0	0	100%	
#comment/apps.py	3	0	0	0	100%	
Ccomment/models.py	43	0	0	0	100%	
comment/serializers.py	39	2	0	0	95%	48, 60
comment/tests.py	103	0	0	0	100%	
ccomment/urls.py	3	0	0	0	100%	
ccomment/views.py	17	0	0	0	100%	
cfeed/__init__.py	0	0	0	0	100%	
feed/admin.py	6	0	0	0	100%	
#feed/apps.py	3	0	0	0	100%	
cfeed/models.py	130	1	6	0	99%	100
cfeed/serializers.py	150	2	20	2	98%	26->29, 29, 44->47, 47
cfeed/tests.py	295	0	4	0	100%	
cfeed/urls.py	3	0	0	0	100%	
cfeed/views.py	131	3	18	2	97%	200->212, 203-204, 212, 220->222
Clike/__init__.py	0	0	0	0	100%	
like/admin.py	3	0	0	0	100%	
#like/apps.py	3	0	0	0	100%	
Clike/models.py	44	0	2	0	100%	
like/serializers.py	20	0	0	0	100%	
like/tests.py	81	0	0	0	100%	
like/urls.py	3	0	0	0	100%	
like/views.py	17	0	0	0	100%	
notification/__init__.py	0	0	0	0	100%	
notification/admin.py	3	0	0	0	100%	
notification/apps.py	3	0	0	0	100%	
@notification/models.py	20	0	0	0	100%	
notification/serializers.py	45	6	10	2	78%	47->48, 48-50, 55->56, 56-58
nnotification/tests.py	136	0	0	0	100%	
ynotification/urls.py	3	0	0	0	100%	
@notification/views.py	28	0	6	1	97%	27->exit
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TOTAL	1806	24	86	10	98%	

Contribution of team members

- Curie Yoo
 - Frontend
 - <CommentItem /> privacy setting
 - Implement comment API linking
 - Implement reply feature and private comment
 - <AuthorProfile /> anonymous profile

- Post delete action
- Module test: friend, post, search
- Implement loading spinner, skeleton component
- Implement Infinite scroll on feeds and list pages
- <FriendItem /> <FriendStatusButtons /> : Add features and connect action
- implement friend / friend request related actions
- **Backend**
 - Implement Notification model, serializer and views
 - Notification API fix, test
 - View: Create Notification on Like, Comments, ResponseRequest, FriendRequest, Friendship
- **Jaewon Kim**
 - **Frontend**
 - Implement User Search related features and components
 - search module
 - <SearchDropDownList />
 - <PageNavigation />
 - <SearchResults />
 - **Backend**
 - **Implement ML Feature (question recommendation)**
 - Response Request, Friendship mock update
 - Like fix: unique constraint
 - Feed, Comment, Account testing
 - Set Permission @ Friend
 - Permission testing
- **Jina Park**
 - SonarCloud Badge Issue
 - **Frontend**
 - User Page
 - Post Detail Page
 - Login Page enhancement (ex. warning message, Enter login)
 - AnonymousFeed Page enhancement (ex. anonymous profile)
 - <ShareSettings/> enhancement (ex. restrictions)
 - <QuestionSendModal/> Markup, Testing
 - like/unlike API linking with <PostItem/> & <QuestionItem/>
 - **Backend**
 - Friendship Model, Serializer, View
 - FriendRequest Model, Serializer, View

- **Jinsun Goo**
 - **Frontend**
 - sprint 3 wrap-up
 - <QuestionFeed> api linking
 - <QuestionItem/>, <QuestionListWidget/>, question module test
 - Question Detail page
 - <FriendWidget/>
 - Notification Page
 - Post Edit Page
 - Question Send Modal
 - **Backend**
 - ResponseRequest model, view & serializer

Sprint 5 Plans

- **Overall**
 - Deployment
 - Testing Improvement
 - Code Refactoring
 - Debugging
 - Preparing for Final Demo Poster Session (Video & Poster)
- **Frontend**
 - UX enhancements
 - UI enhancements
 - Mobile Responsive Design
 - E2E testing
- **Backend**
 - Implement caching
 - Locust
 - E2E testing