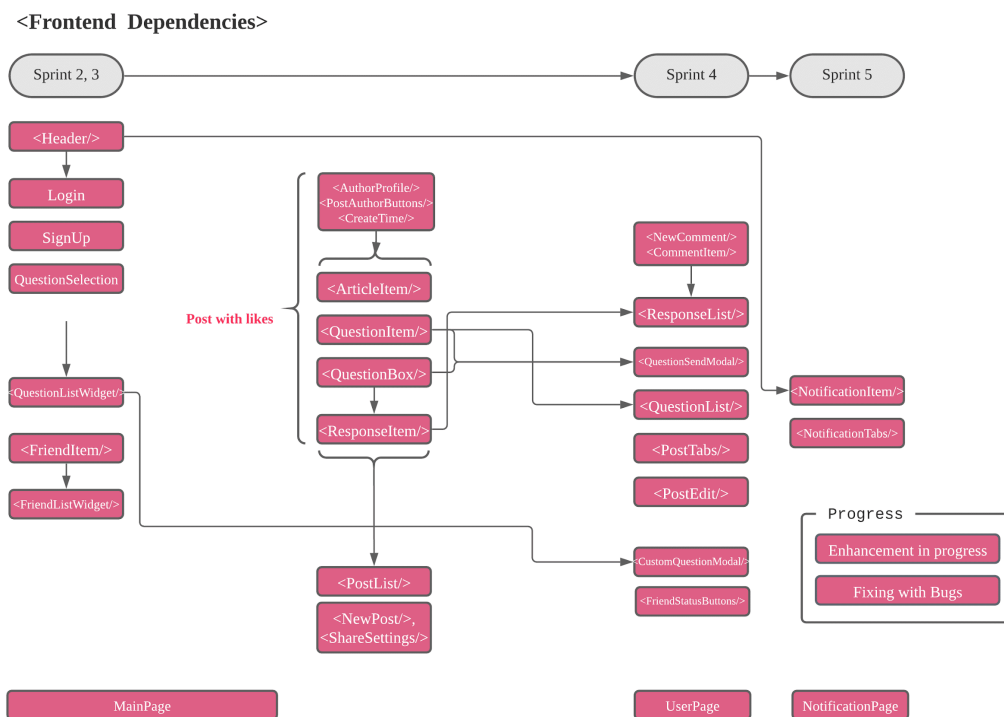


[Sprint5 Report] Team 8, adoor

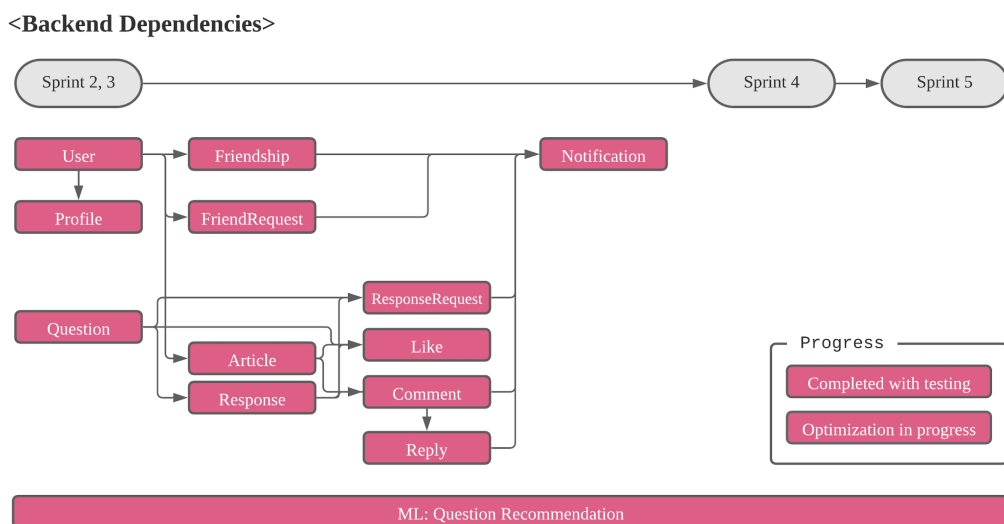
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Progress

- Frontend



- Backend



Difficulties

- **Technical Issues**
 - **Frontend**
 - The same post is included in various arrays such as anonymousPosts, friendPosts, and selectedUserPosts in the reducer. So, it was very difficult because there were many cases and url locations of users updating posts such as modifying posts, commenting and re-commenting. Whenever that happened, it was difficult to reflect the updates in all the array fields containing the post, considering all the cases.
 - There were many cases of friend status. It was difficult to hand over the states to props, and to properly express them. (Not a friend / Friend / I sent a friend request / Friend sent a friend request) The buttons had to change accordingly when the action was carried out at the front end, making it difficult to consider all the cases.
 - If jwt refresh token remains in the cookie, there was a bug that kept the wrong cookie logged in and redirected to the unauthorized home. This issue has been modified if the cookie is not valid, loading reducer handling the api call redirect to login page before redirect to home feed.
 - **Backend**
 - **Permissions**
 - Due to some poor API granularity choices, most API calls required tens of exceptions cases and branches which not only slowed the calls down but also made the serializers and views extremely complex. The situation was only aggravated as we continued to add new features such as anonymous comments (which are not equivalent to private comments) and anonymous likes, all of which had to be protected with very specific and precise permissions. A better way to deal with this issue would have been to break the APIs down to smaller ones but due to time constraints, we decided to leave the API structure as is, though it may be a little inefficient.
 - **Postgresql**
 - There were some issues regarding postgresql testing db which we failed to manage. We decided to use sqlite3 in the development setting and Postgresql in the production one.
 - **Deployment**
 - **Django deployment with UWSGI and NGINX**
 - Attempted to deploy django server and react server to two different EC2 instances, but the csrf token cookie

failed to set in the browser(cors csrf cookie setting problem).

- Failed to solve the above problem, deploy the react server and django server to one EC2 instance.
- Had a hard time setting up django uwsgi and nginx. Set the socket of uwsgi.ini file to localhost:8000 and django server listen port of nginx to 80, which is solved.
- Experienced some issues regarding Postgresql, cron, and Konlpy (MeCab) usage on EC2 as they required some additional settings on the remote server.
- Required a new seed dataset and tokenizer for the question recommendation feature (ML).

- **HTTPS**

- Exceeded the certificate rate limit(5 times per one week with specific domain) of Let's Encryption because of attempts to connect https multiple times
- As this issue has not been resolved, we will try again https issue next week.

- **Organization Issues**

- **Limitations of Online Meeting**

- Due to the problem of COVID-19, almost all meetings should have been conducted with online meetings inevitably. Therefore, it seems to have been relatively inefficient compared to offline meetings.

Testing

- **Frontend**

- newly added component unit tests using jest, Enzyme
 - newly added redux modules : reducers on implemented actions and reducer state changes
 - E2E test per page
 - Bug found by Peer Testing Session within class

- **Backend**

- unit tests on model structures using django.test
 - implemented API test focusing on JSON responses and permissions

Coverage

- **Frontend**

File	% Stmts	% Branch	% Funcs	% Lines	Uncovered Line #s
All files	90.72	79.59	89.63	91.11	
src	95.45	94.12	86.67	95.31	
App.jsx	91.43	94.12	84.62	90.91	45,83,113
constants.js	100	100	100	100	
ga.js	100	100	100	100	
mockStore.js	100	100	100	100	
src/components	96.25	83.75	94.94	96.02	
CustomQuestionModal.jsx	100	100	100	100	
FriendListWidget.jsx	100	100	100	100	
Header.jsx	90	81.25	86.96	89.55	... 43,195,196,197
ListItemLink.jsx	100	100	100	100	
Message.jsx	100	100	100	100	
MobileFooter.jsx	92.31	50	100	92.31	55
NotificationDropdownList.jsx	92.86	100	75	92.86	62
NotificationItem.jsx	100	80	100	100	51,101
PageNavigation.jsx	100	100	100	100	
PrivateRoute.jsx	100	50	100	100	13
QuestionListWidget.jsx	100	87.5	100	100	147,213
QuestionSendFriendItem.jsx	100	100	100	100	
QuestionSendModal.jsx	100	50	100	100	100
SearchDropdownList.jsx	100	100	100	100	
src/components/comments	88.89	95.35	78.26	88.89	
CommentCreateTime.jsx	77.78	100	50	77.78	20,24
CommentItem.jsx	87.23	96.55	76.92	85.37	... 20,124,125,130
NewComment.jsx	96	92.86	100	100	46
src/components/common	100	100	100	100	
AlertDialog.jsx	100	100	100	100	
src/components/friends	98.15	87.88	92.86	98.04	
FriendItem.jsx	91.67	100	75	90.91	48
FriendStatusButtons.jsx	100	84.62	100	100	80,93,119,141
src/components/posts	85.89	73.72	78.87	88.37	
AuthorProfile.jsx	78.57	72.41	66.67	91.67	33
CreateTime.jsx	88.89	100	75	88.89	20
LoadingItem.jsx	100	100	100	100	
LoadingList.jsx	100	100	100	100	
MobileDrawer.jsx	100	100	100	100	
NewPost.jsx	83.33	100	60	90	55
PostAuthorButtons.jsx	100	100	100	100	
PostEditItem.jsx	100	100	100	100	
PostItem.jsx	83.93	61.54	69.23	87.5	... 28,129,130,144
PostList.jsx	100	100	100	100	
QuestionBox.jsx	100	100	100	100	
QuestionItem.jsx	78.57	63.16	61.11	80.85	... 44,145,153,161
QuestionList.jsx	100	75	100	100	17
ShareSettings.jsx	86.11	90.91	100	85.29	70,71,88,93,94
UserPostList.jsx	80	78.57	100	80	24,34
src/history	100	100	100	100	
index.js	100	100	100	100	
src/modules	89.72	80.9	96.52	89.57	
friend.js	97.1	100	100	96.83	86,90
index.js	100	100	100	100	
like.js	100	100	100	100	
loading.js	76.92	88.89	100	75	13,14,15
notification.js	95	80	100	96.36	66,67
post.js	86.14	76.53	100	85.55	... 44,364,374,606
question.js	83.1	67.86	82.61	83.33	... 29,233,235,356
search.js	100	88.24	100	100	26,58
user.js	95.83	95	100	95.7	82,83,136,137
src/pages	90.63	74.23	88.28	91.2	
AnonymousFeed.jsx	90.48	50	87.5	88.89	33,34
FriendFeed.jsx	90.91	70	87.5	88.89	30,31
FriendsPage.jsx	100	100	100	100	
Login.jsx	93.33	80	100	92.59	63,69
MobileQuestionPage.jsx	100	100	100	100	
MobileSearchPage.jsx	96.88	90.91	88.89	96.88	39
NotificationPage.jsx	82.61	78.57	70.59	83.33	... 08,110,132,145
PostDetail.jsx	93.33	83.33	100	92.86	28
PostEdit.jsx	100	100	100	100	
QuestionDetail.jsx	75	50	75	78.43	... 27,131,132,171
QuestionFeed.jsx	88.46	62.5	80	88	51,64,65
QuestionSelection.jsx	100	100	100	100	
SearchResults.jsx	100	91.67	100	100	37
SignUp.jsx	90.24	82.76	90.91	94.44	90,140
UserPage.jsx	96.23	66.67	95	95.45	133,134

- Backend

```
(swpp-env) (base) gimjaewon@gimjaewon-ui-MacBookPro adoorback % coverage run --source='.' --omit=
'*/utils/*' ./manage.py test
Creating test database for alias 'default'...
System check identified no issues (0 silenced).
.....
-----
Ran 81 tests in 57.871s

OK
Destroying test database for alias 'default'...
(swpp-env) (base) gimjaewon@gimjaewon-ui-MacBookPro adoorback % coverage run --source='.' --branch
/asgi.py', '*/utils/*' ./manage.py test
Creating test database for alias 'default'...
System check identified no issues (0 silenced).
.....
-----
Ran 81 tests in 61.497s

OK
```

account/serializers.py	76	1	8	1	98%	113->115, 115
account/tests.py	335	0	0	0	100%	
account/urls.py	5	0	0	0	100%	
account/views.py	159	7	16	1	94%	31-33, 38-41, 120, 139->141
comment/__init__.py	0	0	0	0	100%	
comment/admin.py	10	0	0	0	100%	
comment/apps.py	3	0	0	0	100%	
comment/models.py	50	0	4	0	100%	
comment/serializers.py	81	8	14	6	85%	15-16, 45->46, 46, 62->64, 64,
comment/tests.py	152	0	0	0	100%	
comment/urls.py	3	0	0	0	100%	
comment/views.py	22	1	0	0	95%	21
feed/__init__.py	0	0	0	0	100%	
feed/admin.py	28	0	0	0	100%	
feed/apps.py	3	0	0	0	100%	
feed/models.py	158	2	16	0	99%	238-239
feed/serializers.py	250	5	46	4	97%	28->31, 31, 46->49, 49, 202->20
feed/tests.py	402	0	4	0	100%	
feed/urls.py	3	0	0	0	100%	
feed/views.py	163	12	16	2	91%	46, 64->65, 65, 199-200, 251->2
like/__init__.py	0	0	0	0	100%	
like/admin.py	10	0	0	0	100%	
like/apps.py	3	0	0	0	100%	
like/models.py	56	0	12	1	99%	80->82
like/serializers.py	20	0	0	0	100%	
like/tests.py	142	0	0	0	100%	
like/urls.py	3	0	0	0	100%	
like/views.py	23	1	0	0	96%	22
notification/__init__.py	0	0	0	0	100%	
notification/admin.py	10	0	0	0	100%	
notification/apps.py	3	0	0	0	100%	
notification/models.py	34	1	0	0	97%	25
notification/serializers.py	44	1	16	1	97%	40->41, 41
notification/tests.py	246	0	2	0	100%	
notification/urls.py	3	0	0	0	100%	
notification/views.py	45	0	4	0	100%	
TOTAL	2626	39	164	16	98%	

```
(swpp-env) (base) gimjaewon@gimjaewon-ui-MacBookPro adoorback % pylint **/*.py --load-plugins pylint_django
^[[A^[[B
-----
Your code has been rated at 10.00/10 (previous run: 10.00/10, +0.00)
```

Contribution of team members

- Curie Yoo
 - [Frontend] Implement responsive UI

- Modify existing components: Header, QuestionListWidget, UserSearch, UserPage
- Components for mobile views: MobileFooter, MobileDrawer
- New Pages for mobile views: MobileSearchPage, MobileQuestionPage
- **[Frontend] Implement Anonymous Comment Features**
 - Add comment related components at anonymous posts
 - Add anonymous parameter and modify actions of creating comments and update anonymous posts commently
- **[Frontend] Implement comment like function**
 - connect api
 - add anonymous like feature
- **Bug fixes**
 - fix infinite scroll url bugs @ prod
 - intersection observer not supported error @ safari
 - url not replaced correctly when using deployed version
 - fix miscellaneous bugs
 - redirect page when 404 error
 - redirect correctly after posting
 - match question with response request correctly
 - UI issues
 - match anonymous / friend profile correctly at comment and post
- **Enhancements**
 - set up **Google Analytics** and add code to track pageview
 - reset scroll when switching page
 - UI enhancements
 - Add various informational messages for user convenience
- Make **poster** outline
- Demo Video shooting
- **JaeWon Kim**
 - **[Frontend] Enhance User Search**
 - **[Backend] Implementation**
 - Add anonymous comments/likes serializers/views/model fields/notifications w/ permissions, share, pagination settings
 - Add nested paginators, custom exceptions handler
 - Add initial notification instances and cron job for sending notifications to inactive users
 - Implement all Notification related receives
 - Modify all feed/comment/like related logic by using post_delete receiver to prevent notification delete cascade

- Add (frontend) redirect_urls, is_response_request, is_friend_request, question_content, visibility/permission settings for all notifications
- Modify Friendship model implementation using m2m field, fix post_save notifications accordingly
- Add Friend Request related views, serializers, receivers
- Modify Response Request views, serializers, urls
- **[Backend] Testing**
 - Test all post_save, post_delete notification methods
 - Test Friend Request, Friendship, Response Request, Notification views/models
 - Add anonymous comments/likes testing in Feed/Notification/Comment/Like Testcases
 - Add API permissions settings testing for comments
 - pylint and test coverage 98% with newly implemented code
 - Test all exceptions/permissions/validations/serializer responses
- **[Backend] Bug Fixes**
 - Fix ML model & data crawler bugs
 - Fix all backend related issues/bugs
- **[ML Feature]**
 - Re-implemented content-based recommendation using Konlpy
 - Add seed data (for ML feature) for deployment settings
 - Add response request related data
- **[Enhancements]**
 - Chrome extension for (almost..) real-time notifications
 - Sentry for error detection
 - TrackStats for user stats tracking (by date and date/user)
 - Postgresql for production environment
 - Locust for load testing (in progress)
 - Optimization (remove branching, modify queries - in progress)
 - Validate all POST/PATCH method related requests
 - Modify all views implemented as FBV to CBV for code style
 - Modify URLs for RESTful API implementation
- Demo video planning
- **Jina Park**
 - **[Frontend] Like API call**
 - Fixed bugs for unlike API call
 - **[Frontend] Bug fixes**
 - Handling with useOnClickOutside with Notification Icon
 - Handling with problem with PostAuthorButtons in Anonymous Feed
 - Handling with isWriting parameter in Question Feed

- Reset WarningMessage in Login Page
 - Daily Question not shown due to modified API
- **[Frontend] Enhancements**
 - Handling with white-spaces with PostItem and QuestionItem
 - Rearrangement of Header Icons
 - Add alert when deleting Comment or Reply
 - Add LoadingReducer and Skeleton in PostDetail Page
 - Handling with Text Input Increasing in Comment & Reply Component
 - Edited QuestionSelection Page's comment
- **Deployment**
 - Deploy react to EC2 instance with UWSGI (Supported)
- **Testing**
 - Fixed several components' testing
- **Demo Video**
 - Video Conti Planning
 - Video shooting as Director
 - Video editing (In Progress)
- **Jinsun Goo**
 - **Deployment**
 - Deploy react and django apps to EC2 instance with UWSGI, NGINX
 - Connect DNS
 - **[Frontend] Question Detail Page**
 - Modify options to view responses on detail page(before: view only friends' responses/view anonymous responses as well as friends -> after: view all responses/view only friends responses/view only anonymous responses)
 - Add Infinite Scroll
 - **[Frontend] Notification Page/Dropdown**
 - Add correct redirect url to notification components when clicking
 - Add noti-create-time to noti item
 - **[Frontend] Comment UI enhancement**
 - Upgrade UI comments to match updated comment features(like, createtime)
 - **[Frontend] Auth related Issue**
 - Implement login retention features using CSRF token and JWT token
 - Fix login retention related issues
 - Modify loading reducer to redirect login page for users whose login has not been authenticated
 - **[Frontend] 404/403 Pages**

- Add a 403/404 message to a page that users cannot access due to permission or resource error issues
- **[Frontend] Bug fixes**
 - Modify butts that cannot bring user's friend list on the mobile
- **Demo Video shooting**

Further Plans

- Enable HTTPS to adoor.world
- Fix Bugs
 - Will fix the bugs found in the Peer User Testing Session
- Enhancement
 - For Better UI/UX Design for future users
- Prepare Poster Session
 - Demo Video
 - Poster