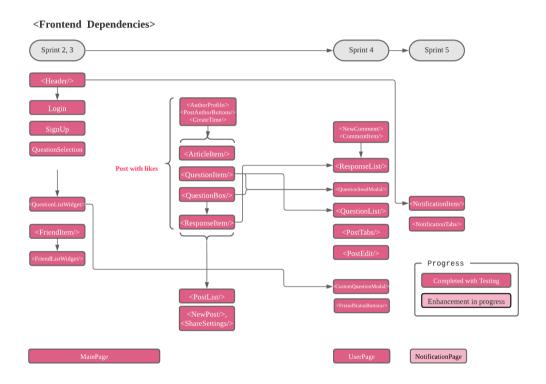
[Sprint 4 Report] Team 8, adoor

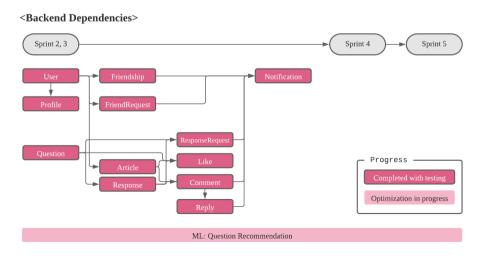
Curie Yoo <2016-19979> curieyoo@snu.ac.kr JaeWon Kim <2014-17831> slove0318@snu.ac.kr Jina Park <2015-17261> koyrkr@snu.ac.kr Jinsun Goo <2015-13796> gjinsun96@gmail.com

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
- o 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)

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- Backend (pylint & Coverage)

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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