



Requirements Analysis Engineering Proposal

Cloud-based survey management services
and template sharing platforms

Team 4 / CONTINEW

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Team Introduction

- Overview
 - Brief description of our team
 - Team members





Continue

Continue + new

: Continually challenge to new things

Team members



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Motivation

- Suggestion Background
- Analysis of existing products comparison
- Overview
 - Value Proposition
 - Brief description of the product



Suggestion Background



Suggestion Background

Respondents' View



1

Too much to answer,
Too similar

I did eight corporate surveys,
but it's the same

Surveyors' View



2

There are more than 1,000
participants in the satisfaction
survey, so when can we
analyze all the subjective
answers?



How about making a **sharing
survey form design platform?**



How about using an **AI technology**
to summarize respondents' answers?

Analysis of existing product comparison



Google Forms

The interface is not complex and is designed to be user-friendly with only the features you need



Kakaowork Survey

Survey is only available within the group that belongs



Typeform

There are templates of sophisticated and stylish designs.

3

Pricing is expensive.

The templates are not diverse.

Value Proposition



1

Non-various questionnaire forms

2

Difficult to analyze the responses of many respondents

3

Pricing is expensive



SOL

AI & Cloud-based Template Sharing Platform, UNIQ

Overview

Brief description of our service



Name : UNIQ

Meaning : It means a unique template and a survey management service that allows you to gain insights with questions

Key customers : Online survey form users

Service : Cloud-based survey management services and template sharing platforms

Key Features

- Basic Technology
 - Create Template
- AI Technology
 - AI Template Recommendation



Basic technology

Form Template Sharing Platform



Customizing Template



Managing Own Template & Form



AI technology



Template Recommendation System



Subjective Answer Analysis System



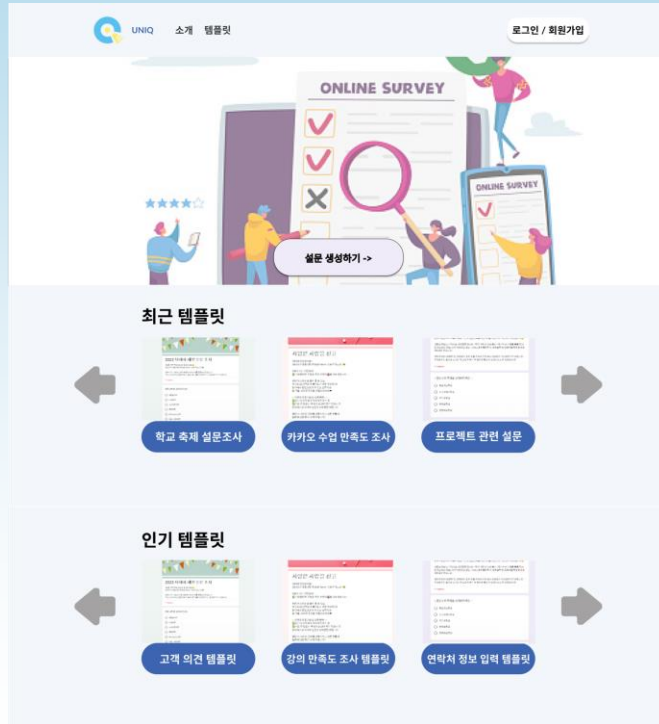
Keyword based Question creating AI

Storyboard

- Overview
- Pages' Requirements
- URLs



Storyboard



/home

- GNB : introduction, template
- Create survey : login required
- Recent template : recently created templates
- Popular templates : viewable templates

Storyboard



/login

- Sign up
- Find ID/password
- If the login is successful, print out the login success message and go to the home screen.
- If login fails, the reason for not logging in is printed out as a message.

Storyboard

The image shows a web application interface for a user profile. At the top left is the 'UNIQ' logo and navigation links '소개' and '템플릿'. At the top right is a button '로그인 / 회원가입'. The main content area features a profile card with a placeholder avatar, buttons '업로드' and '삭제', and the text '아이디 hello'. A red box highlights a '중복확인' button next to the ID. Below this, a red error message reads '*중복된 아이디입니다.'. Further down are input fields for '비밀번호', '비밀번호 확인', '닉네임', and '이메일', followed by a '회원가입' button.

/login/signup

- **ID Duplicate Verification**
- It displays a completion window where immediately after signing up as a member.

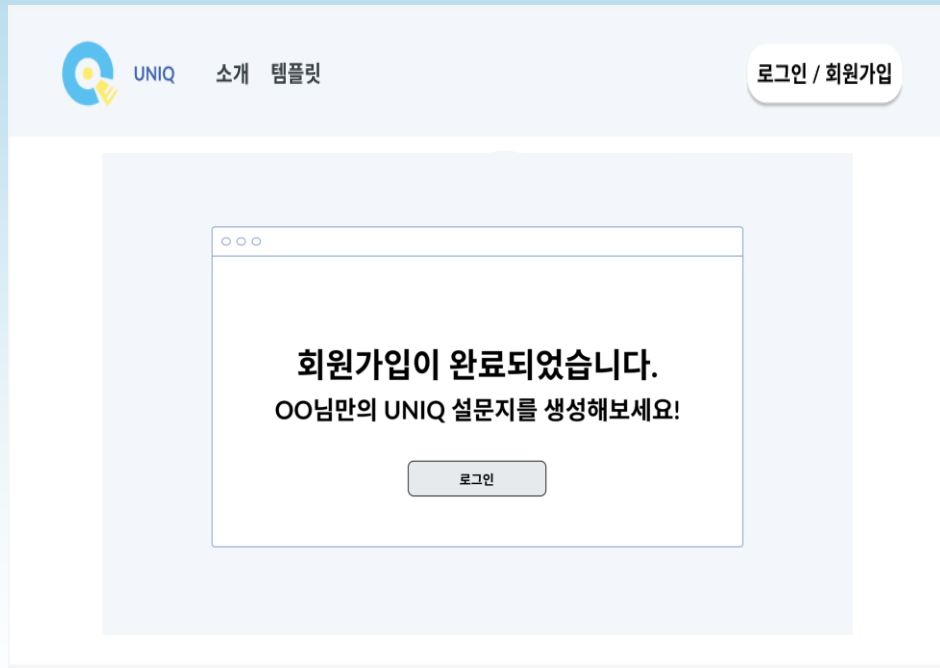
Storyboard

The screenshot shows a web interface for UNIQ. At the top left is the UNIQ logo and navigation links '소개' and '템플릿'. At the top right is a button labeled '로그인 / 회원가입'. The main content area displays a user profile with a placeholder avatar, buttons for '업로드' and '삭제', and the ID 'Contineu' with a '중복확인' button and a green note '*사용가능한 아이디입니다'. Below the ID are fields for '비밀번호' (password) and '비밀번호 확인' (confirm password), both masked with asterisks. The nickname '컨티뉴' is shown, and the email 'gildong@gachon.ac.kr' is displayed. At the bottom, the '회원가입' button is highlighted with a red rectangle.

/login/signup

- **ID Duplicate Verification**
- It displays a completion window where immediately after signing up as a member.

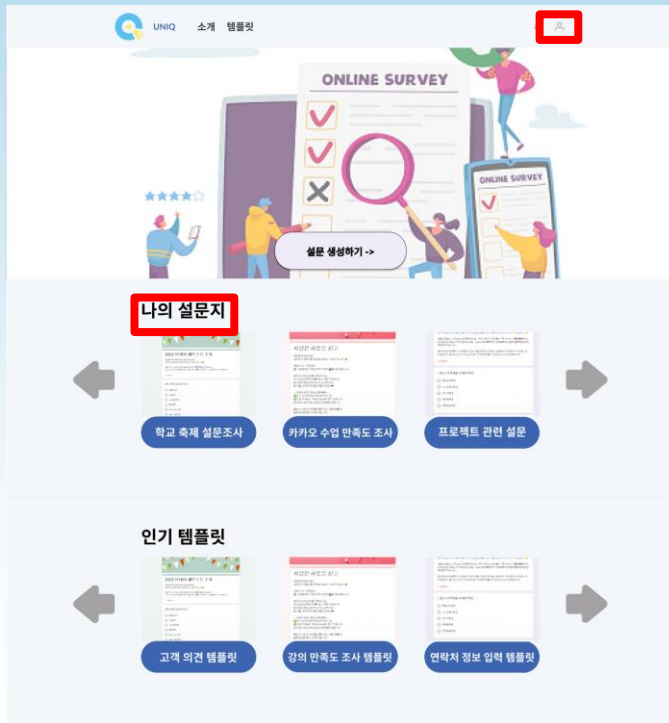
Storyboard



/login/signup/success

- ID Duplicate Verification
- **It displays a completion window where immediately after signing up as a member.**

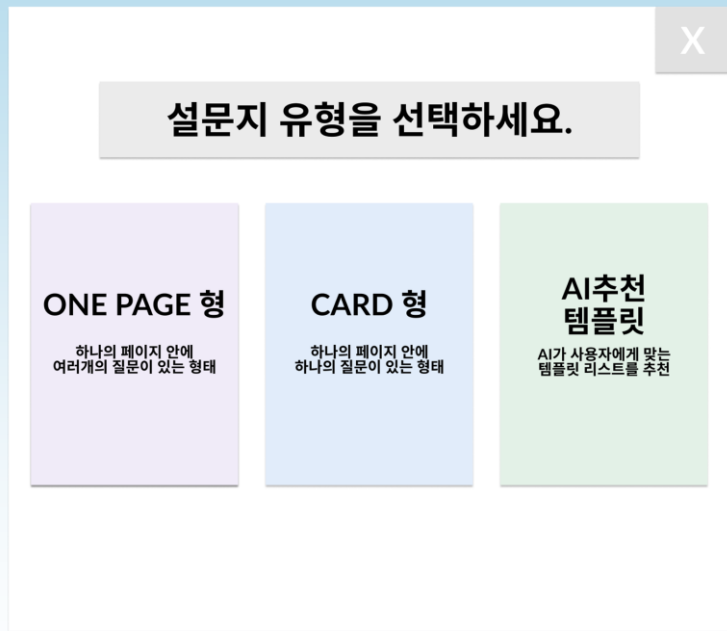
Storyboard



/home

- This is the page that is shown when you log in.
- What's different from when you're not logged in is that you can go to Notifications, Settings, and My Page from the top menu bar.
- At the bottom, you can check the list of user-generated questionnaires instead of the latest template.

Storyboard



/createSurvey

- Pop-up window that pops up when you press the Create Survey button
- The type or template of the survey page can be recommended.

Storyboard



/createSurvey/pre

- Question Type Creation page
- Create the kind of questions you want in advance
- Can also be created with the default form

Storyboard



/createSurvey/rectem

- 6 templates recommended.
- can view template information through the details page.
- can go make it yourself without choosing.

Storyboard

The screenshot shows a mobile app interface for creating a survey. At the top, there's a header with the UNIQ logo and navigation links. Below the header, the title '설문 제목' (Survey Title) and subtitle '설문 개요' (Survey Overview) are displayed. The main content area contains two question blocks. Each block has a title '질문을 입력해주세요' (Please enter a question) and a toggle switch for '필수' (Required). The first block has a list of four '응답 옵션' (Response Options) below the question input. The second block has a text input field with the placeholder '의견을 적어주세요' (Please write your opinion). At the bottom of the storyboard, there is a red square button with a white plus sign, and below it, a grey button labeled '샘플하기' (Sample).

/createSurvey/onepage

- The page that is displayed when select the One page type and then select Create as the default form.
- Select question type drop-down button.
- Required Response Question Settings toggle button

Storyboard

UNIQ 소개 템플릿

설문 제목
설문 개요

질문을 입력해주세요. ☐

- 응답 옵션
- 응답 옵션
- 응답 옵션
- 응답 옵션
- 응답 옵션

질문을 입력해주세요. ☐

의견을 적어주세요.

질문을 입력해주세요. ☐

의견을 적어주세요.

+

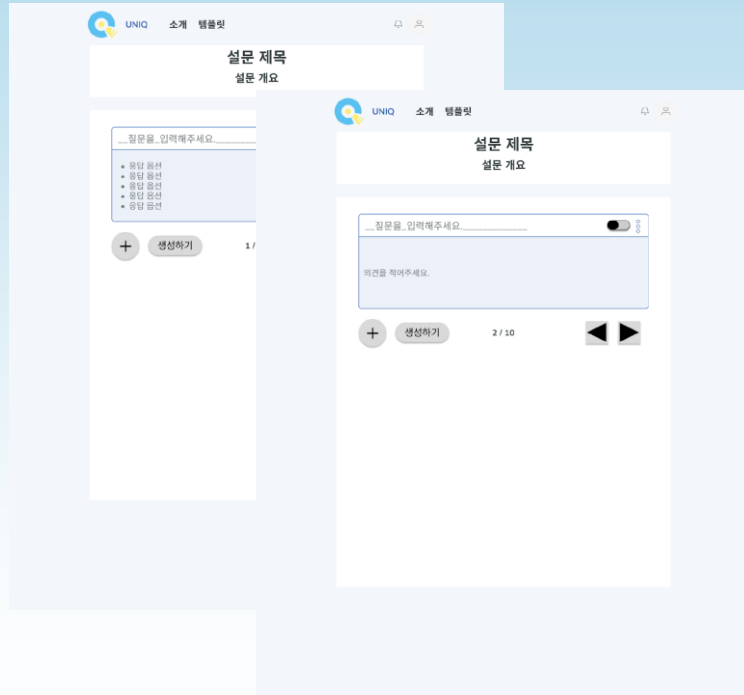
생성하기

- 객관식
- 단답형
- 장문형
- 체크박스
- 스드롭다
- 순선행배
- ...

/createSurvey/onepage

- The page that is displayed when select the One page type and then select Create as the default form.
- **Select question type drop-down button.**
- Required Response Question Settings toggle button

Storyboard



/createSurvey/card

- Modify/Copy Survey
- Setting required response questions
- Add a question

Storyboard

UNIQ 소개 템플릿

카카오 아카데미 만족도 조사

카카오 아카데미 만족도 조사입니다.

1. 카카오 아카데미 수업 만족도

1 100

2. 실무 프로젝트 수행 만족도

1 100

3. 개선할 점 📌

4. 만족한 점 📌

서식 옵션 ▼

설정 옵션 ▼

영문 옵션 ▼

저장 옵션 ▼

/createSurvey/option

- Formatting
- Setting
- Sharing
- Saving

Storyboard

The screenshot displays a web-based survey creation tool. The top navigation bar includes the 'UNIQ' logo, the text '소개 템플릿' (Introduction Template), and a user profile icon. The main content area is divided into two panels. The left panel shows a preview of the survey form titled '카카오 아카데미 만족도 조사' (Kakao Academy Satisfaction Survey). The form includes a subtitle '카카오 아카데미 만족도 조사입니다.' (This is the Kakao Academy Satisfaction Survey.) and four questions: 1. '카카오 아카데미 수업 만족도' (Kakao Academy class satisfaction) with a range from 1 to 100; 2. '실무 프로젝트 수행 만족도' (Satisfaction with performing real-world projects) with a range from 1 to 100; 3. '개선할 점' (Points to be improved) with a text input field; and 4. '만족한 점' (Points of satisfaction) with a text input field. The right panel shows a list of options for each question, including '서식 옵션' (Format options), '크기 및 회전' (Size and rotation), '위치' (Position), '도형' (Shape), '색상' (Color), '설정 옵션' (Setting options), '공유 옵션' (Share options), and '저장 옵션' (Save options).

/createSurvey/option/format

- size and rotation
- Location
- Shape
- background

Storyboard

The storyboard shows a survey form titled "카카오 아카데미 만족도 조사" (Kakao Academy Satisfaction Survey). The form includes a header with the UNIQ logo and navigation links, a main content area with four questions, and a right sidebar with dropdown menus for question options.

카카오 아카데미 만족도 조사
카카오 아카데미 만족도 조사입니다.

1. 카카오 아카데미 수업 만족도

1 100

2. 실무 프로젝트 수행 만족도

1 100

3. 개선될 점 🟡

4. 만족한 점 🟢

서식 옵션

- ▶ 초기 및 복원
- ▶ 원자
- ▶ 도형
- ▶ 배경

설정 옵션

공유 옵션

저장 옵션

/createSurvey/option/set

- Survey duration
- Question per page
- Random placement of questions

Storyboard

The screenshot displays a web-based survey creation tool. The top header includes the UNIQ logo and navigation links for '소개' (Introduction) and '템플릿' (Templates). The main survey title is '카카오 아카데미 만족도 조사' (Kakao Academy Satisfaction Survey), with a subtitle '카카오 아카데미의 만족도 조사입니다.' (This is a survey about your satisfaction with Kakao Academy).

The survey consists of four questions:

1. 카카오 아카데미 수업 만족도 (Satisfaction with Kakao Academy classes). A horizontal slider scale from 1 to 100.
2. 실무 프로젝트 수행 만족도 (Satisfaction with practical project performance). A horizontal slider scale from 1 to 100.
3. 개선할 점 (Points for improvement). A text input field with a placeholder icon.
4. 만족한 점 (Points of satisfaction). A text input field with a placeholder icon.

The right sidebar contains a list of question types with dropdown arrows:

- 서식 옵션 (Format options)
- 선행 옵션 (Pre-question options)
- 공유 옵션 (Share options)
- ▶ 공통학업기 초대 (Invite to common academic period)
- 저장 옵션 (Save options)

/createSurvey/option/share

- placement of questions

Storyboard

The screenshot shows a web interface for creating a survey. At the top, there is a header with the UNIQ logo and navigation links: '소개' (Introduction) and '템플릿' (Templates). On the right side of the header, there are icons for a bell and a user profile.

The main content area is divided into two sections. The left section contains the survey questions and a preview. The right section contains a sidebar with navigation options.

Survey Questions:

- 카카오 아카데미 만족도 조사**
카카오 아카데미의 만족도 조사입니다.
- 1. 카카오 아카데미 수업 만족도**
1 [Progress Bar] 100
- 2. 실무 프로젝트 수행 만족도**
1 [Progress Bar] 100
- 3. 개선될 점** (with a lightbulb icon)
- 4. 만족한 점** (with a heart icon)

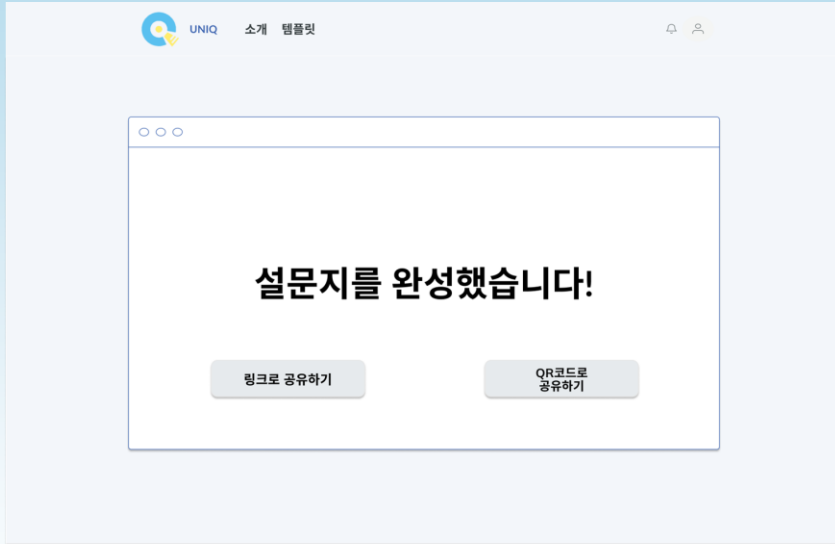
Navigation Sidebar:

- 서식 옵션 (Dropdown arrow)
- 설정 옵션 (Dropdown arrow)
- 공유 옵션 (Dropdown arrow)
- 저장 옵션 (Dropdown arrow)
- ▶ 템플릿으로 저장
- ▶ 설문지로 저장

/createSurvey/option/save

- Saving as a template
- Saving as a survey

Storyboard

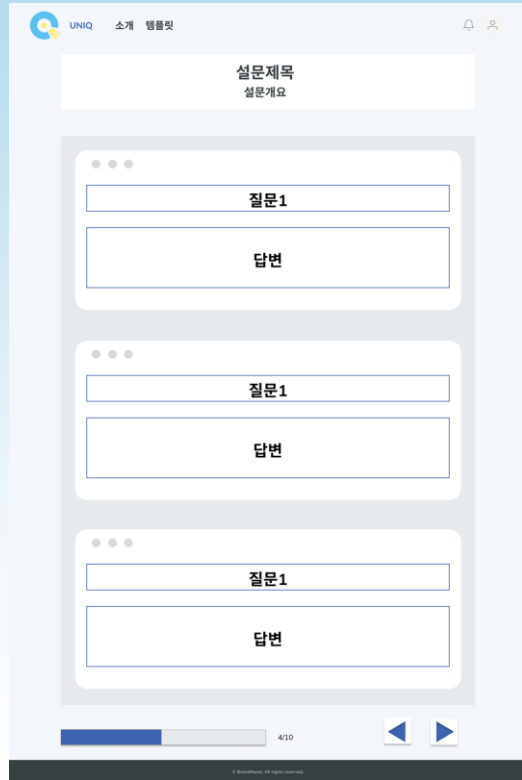


/createTemplateOk

Once you have completed creating the questionnaire, you can share it with the respondent as a link or QR code.

- Share by link
- Share by QR code

Storyboard

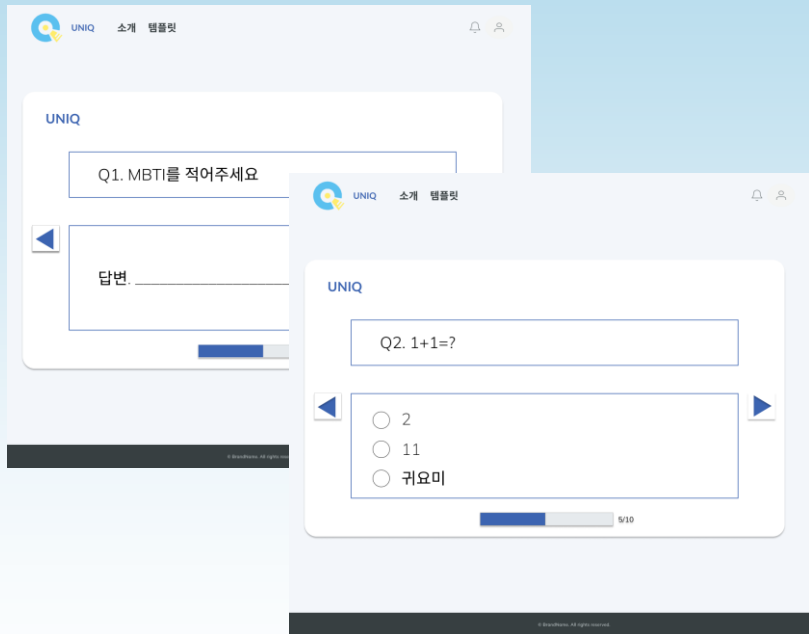


/responsePage/user1

It is a one page-type questionnaire screen to be shown to respondents who accessed through a questionnaire link or QR code

- Show questionnaire
- End of survey

Storyboard

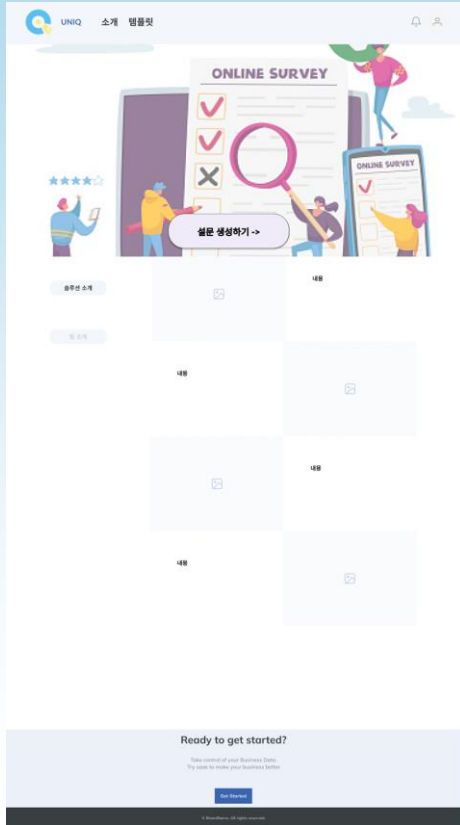


/responseCard/user2

It is a card-type questionnaire screen to be shown to respondents who accessed through a questionnaire link or QR code

- Can be moved by direction buttons
- Notify which page you are currently responding to via the progress bar

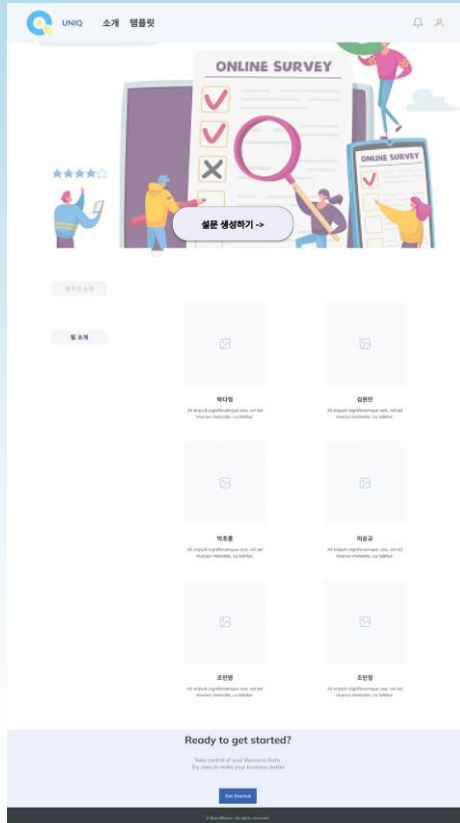
Storyboard



/introduce/solution-introduce

- This page is displayed when '소개' button and '솔루션 소개' buttons are clicked.
- Page displays Solution name, Logo, Tech.

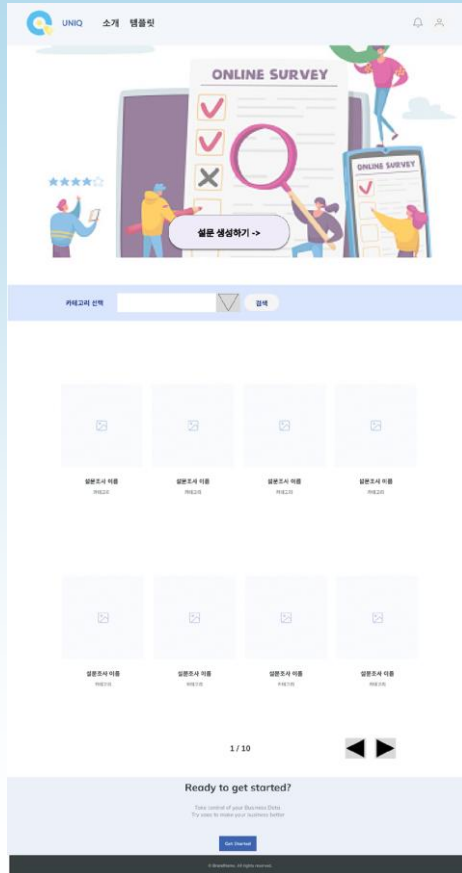
Storyboard



/introduce/team-introduce

- This page is displayed when ‘팀 소개‘ button is clicked.
- Page displays Team members’ Information and Project Role.

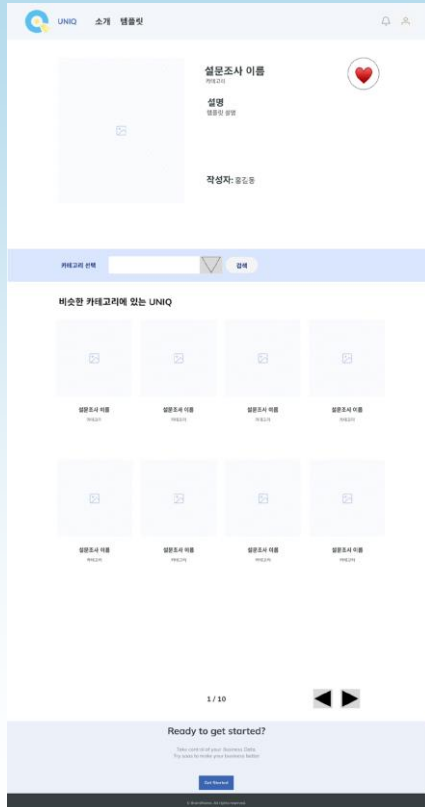
Storyboard



/template/templatelists

- User can search survey templates.
- Select Category, display group of survey in one category.
- Select template, display simple info and preview.

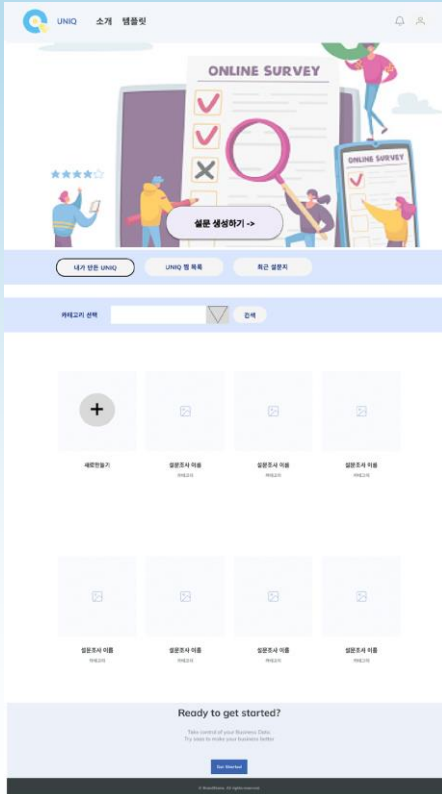
Storyboard



</template/templatelists/template-info>

- Display template info like introduce, master and name of survey.
- Using like button, can see popularity and reliability.
- Display similar templates.

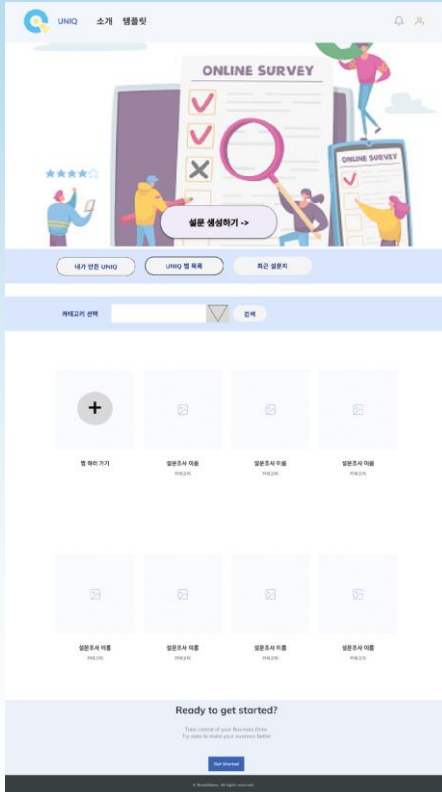
Storyboard



/user-mypage/my-UNIQ

- Click '나의 공간', display mypage.
- Display UNIQ user made.
- Click '새로만들기', move to template create page.

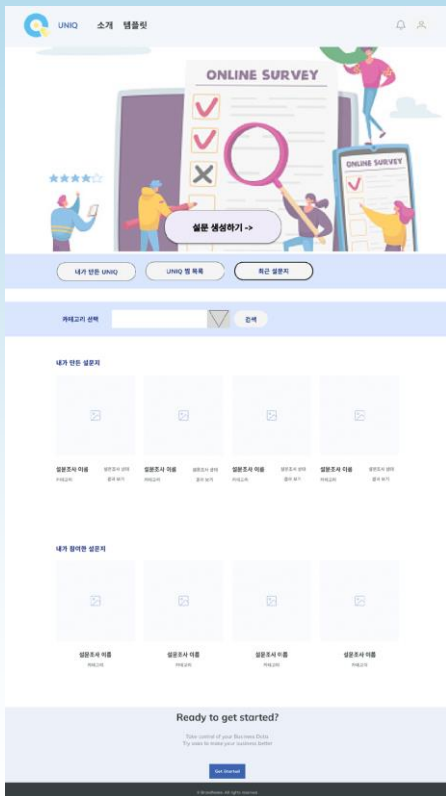
Storyboard



/user-mypage/favorite-UNIQ

- Click 'UNIQ 찜 목록', display user's favorite UNIQ templates.

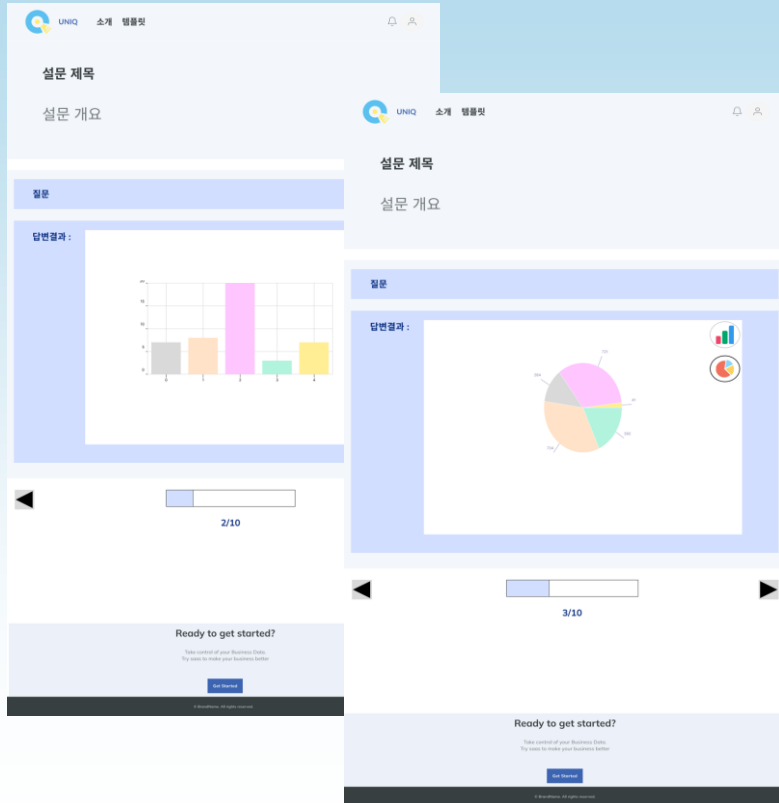
Storyboard



/user-mypage/recent-survey

- Display recent surveys (my survey and participated survey).
- My survey box has Progress, Result button.
- Progress state has Survey state, End button.
- If click Result button, display real time statistic.
- If click participated survey, display my answers.

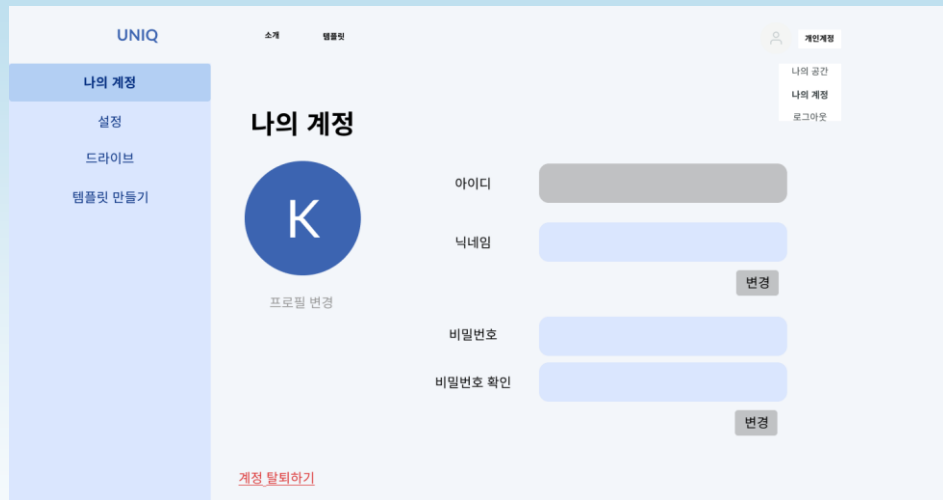
Storyboard



/template/survey/result/name-statistic

- Visualize survey statistics by using survey results based on user demand.
- Statistic types are Pie, Bar, Flow Chart, etc.

Storyboard



/user-myaccount/myaccount

- Display user Profile Image, Id, Nickname.
- User can change Nickname, password.
- Leave button delete user data at DB.

Storyboard



/user-myaccount/setting

- User can set Alarm and Theme(Light/Dark).

Storyboard

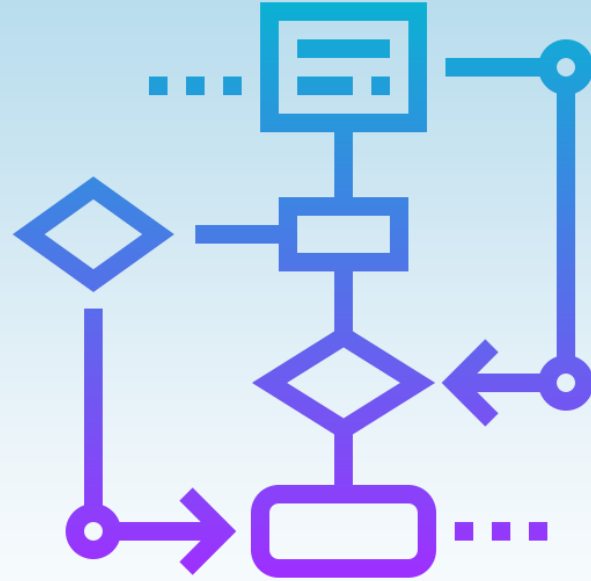


/user-myaccount/drive

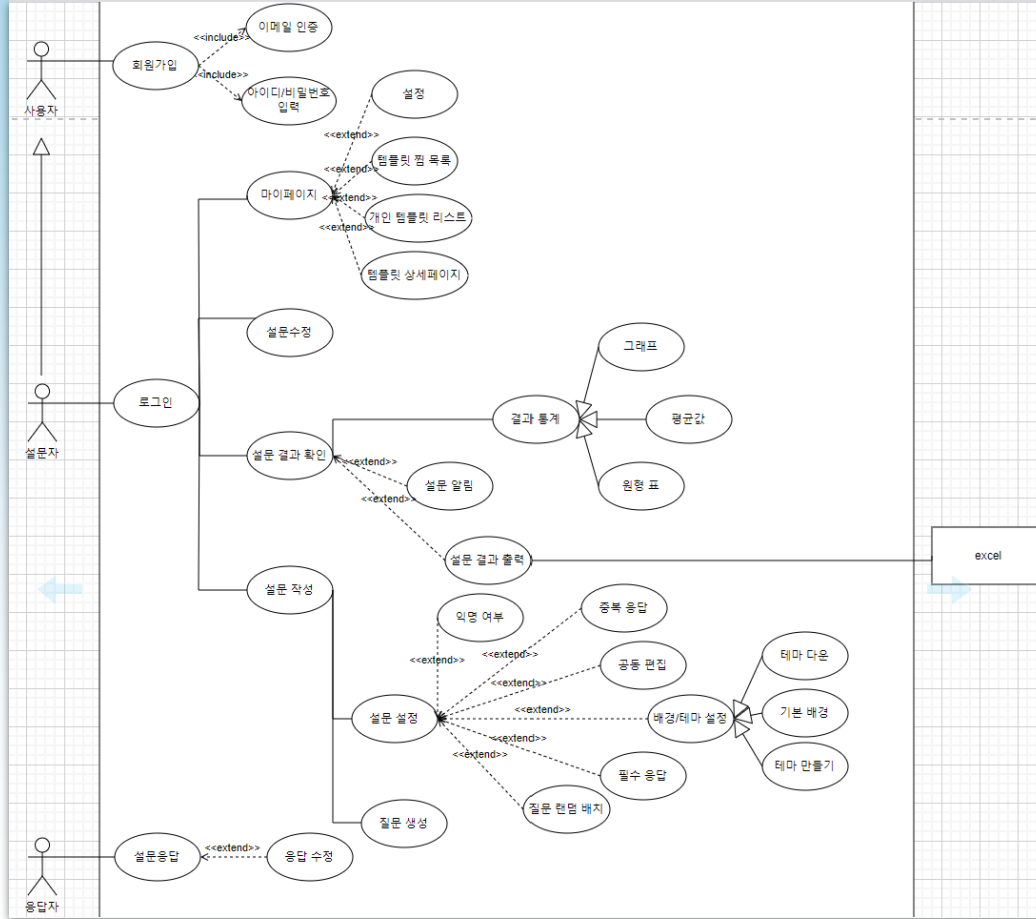
- Display Drive's capacity.
- Click '나의공간 비우기', delete all surveys and templates.

Diagrams

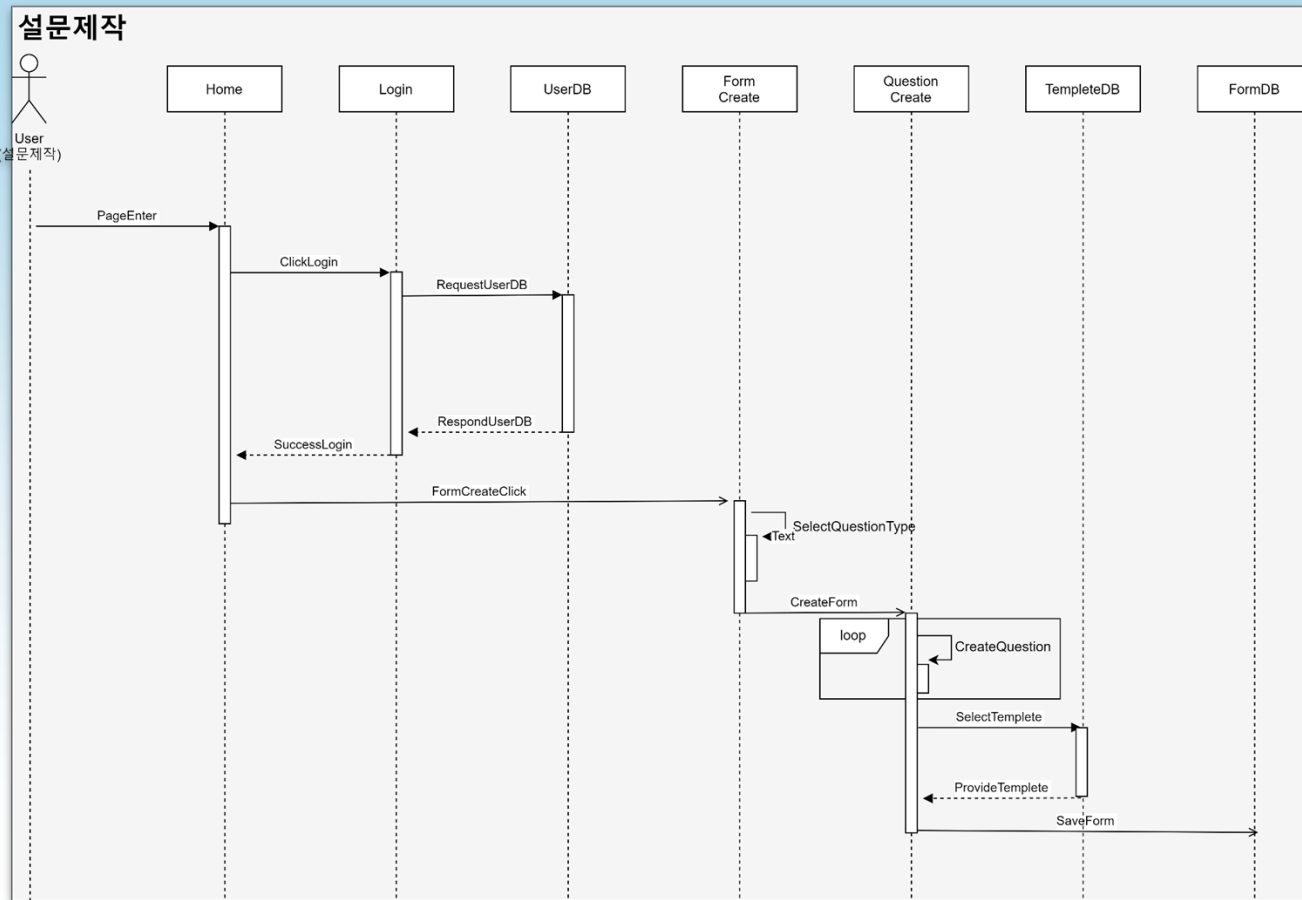
- Overview



Use case

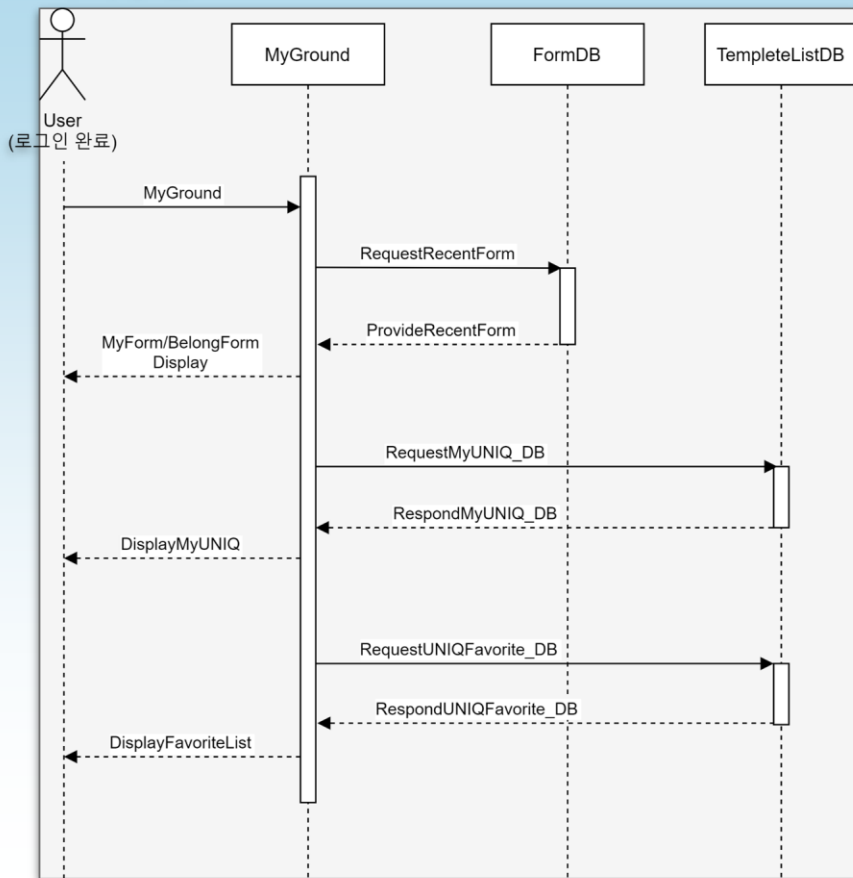


Sequence diagram

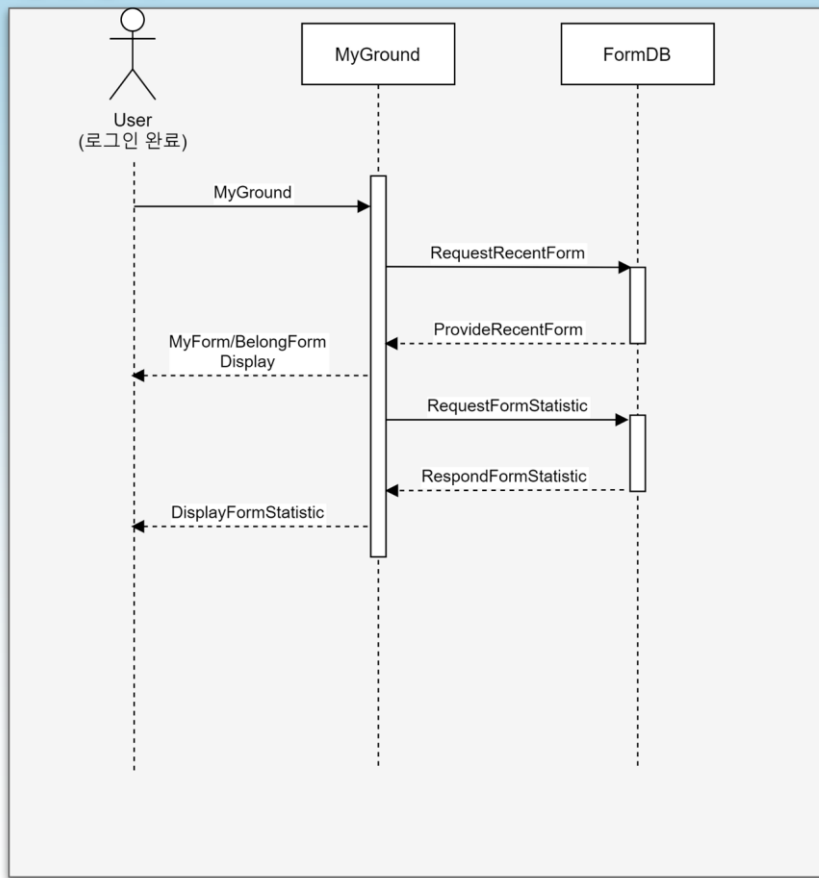


Sequence diagram

나의공간

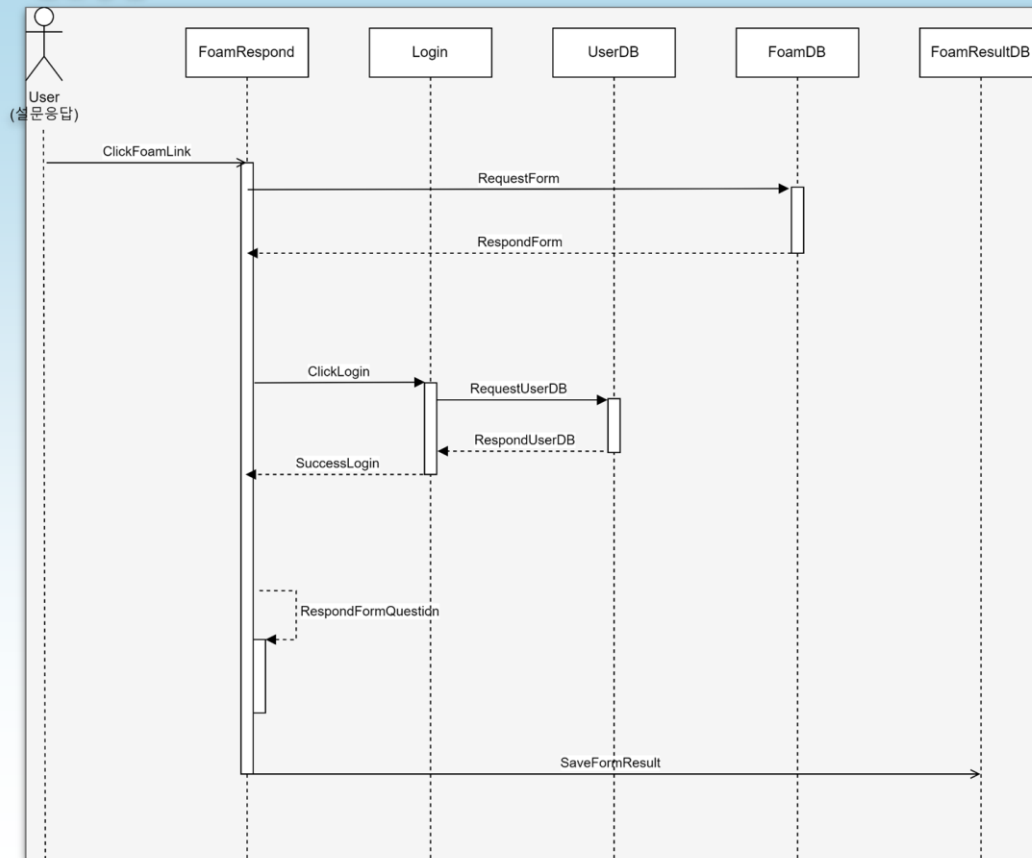


설문통계

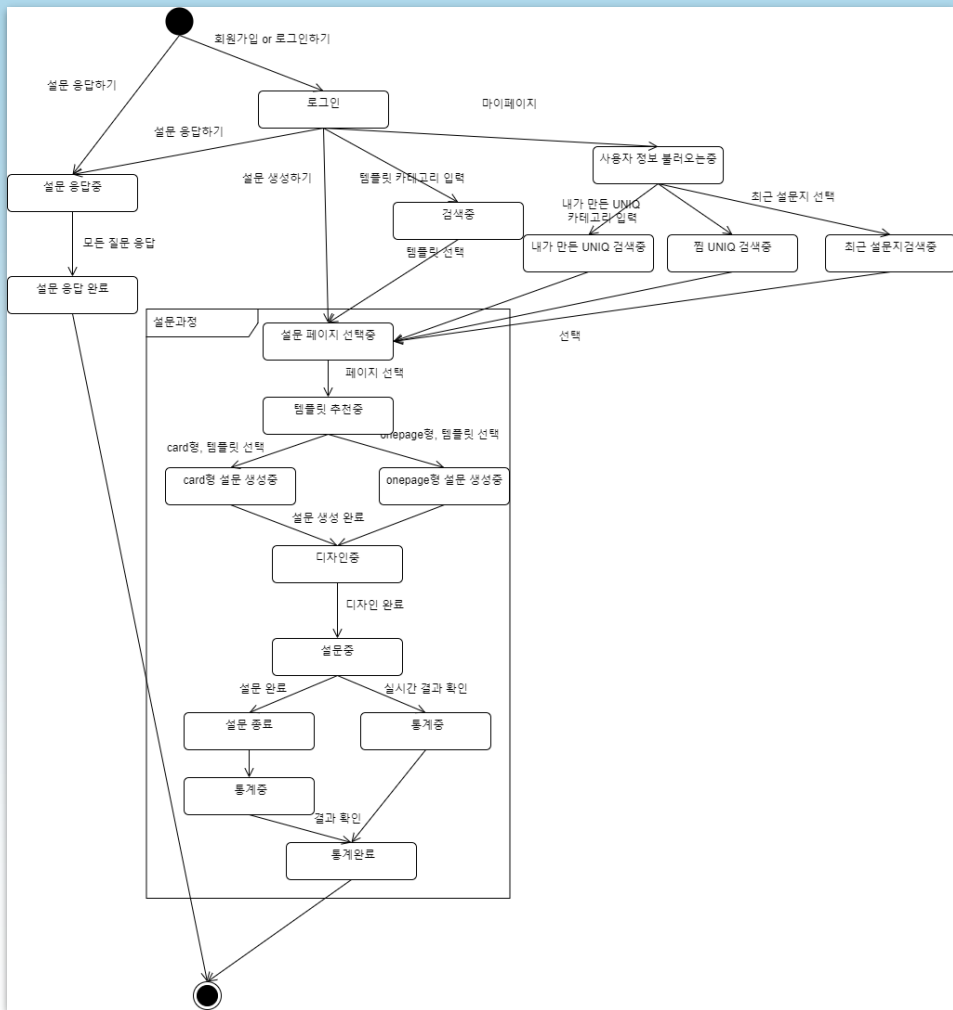


Sequence diagram

설문응답



State diagram



Conclusion



Improvements & Future plan

1

Specify the AI technology to be applied

2

Redesign components and directory structure

3

Constructing an organized dictionary of terms used in a project

4

Prioritize requirements



THANK YOU

Do you have any questions?