**Requirements Template**

A product requirements document is a document which fully defines the purpose of the mobile app project. It includes details on how the product should be built and supported to ensure that you / your team to build a successful product.

**Introduction**

Briefly describe the app and what you want the app to do.

The survey app is used to help users fill in questionnaires. Users can get the questionnaire and answer it by scanning the code. The program supports Chinese and English.

Functions are:

1. Set password

2. Unlock

3. Scan QR code to get content

4. Dynamic generation of questionnaire

5. Adapt to different screen sizes

6. Language switching

7. Acquisition time

8. GPS location

9. register

10. Sign in

**Objective**

What is the objective of your app?

The main purpose of the application is to help users fill in questionnaires. Users can get the questionnaire and answer it by scanning the code. And the app can get the location and time of the users when they answering the questions.

**What Does Success Mean?**

What would you consider a successful app?

I think a successful application should realize the functions required above first. It should help the users answer the questionnaire easily and quickly. Then it should have a beautiful interface can protect the privacy of the user. Also, it should be simple and practical in function, which can serve users well. Then the last point is to be efficient.

**User Flow**

Briefly outline the flow of the app for the types of users (admin, regular user, guest, etc.)

For example: Login, products homepage, product details, checkout, confirmation.

Users first need to register and log in to the app. After that, he should set an unlock password. Then with the user's permission, the program will open the camera to scan the QR code and generate a questionnaire.

Users can switch languages at any time. After answering the questions, users can upload it and enter the unlock password to exit the program.

**Business Requirements**

1. What is the purpose of the app or product? What are you trying to accomplish?

There are many times in our daily life when we need to fill in a questionnaire. This program can help us fill in the questionnaire and upload information more easily and quickly. At the same time, it can adapt to various screen sizes. It also has the function of language switching to adapt to users in different countries.

2. What is the current problem(s) it will solve?

2.It can help users fill in the questionnaire and upload information more easily and quickly, which will solve the questions that the users spend too much time on answering the questionnaire.

3. How will it streamline or improve the current process or facilitate a new process?

3. It allows users to answer the questionnaire conveniently in the program without using all kinds of browsers or third-party software.

4. What is the product vision?

4.We hope that this program can help users fill in the questionnaire and upload information more easily and quickly.

5. What aspects are already in place? What needs to be added? Will the app need to be built from scratch or can you leverage existing assets?

5. The interface design and questionnaire dynamic generation have been in place. There are still areas that need to be added to accommodate different sizes of screens as well as languages. There are also performance improvements. Some of the features in the application need to be built from scratch, and others can take advantage of the features in the survey app.

6. What should the app be able to do (ie. functionality)?

6.The functions of the application program are:

1. Set password

2. Unlock

3. Scan QR code to get content

4. Dynamic generation of questionnaire

5. Adapt to different screen sizes

6. Language switching

7. Acquisition time

8. GPS location

9. register

10. Sign in

7. What features do you want it to have?

Beautiful interface,

Simplicity and rapidity,

Support for multiple languages and screen sise.

**Product & Technical Requirements**

1. What platforms will the app be built for (iOS, Android, etc.)?

Android

2. What operating system versions support it?

Android 8 and up

3. What are your current services, servers, databases?

Android 8 and up

4. What are your maintenance needs? Do you need to support it in the future?

Q1: Increase the total number of words, optimize the interface and functions

Q2: Yes

5. How long should the app function before an overhaul is needed?

I think it can be used for a few months as long as the version of Android does not change a lot.

6. Do you have current API/services documentation?

Yes No

no

**Dependencies**

1. Hardware that the app will run on/communicate with (for example, beacons).

GPS、storage、camera

2. Does your app rely on any third-party APIs? E.g. Wechat.

No,

**Assumptions**

Where are the assumptions you’re making about the user (for example, X% of users will see enough value in the product to become regular users)?

Maybe 50% of users will see enough value in the product to become regular users.

What are the technical assumptions you’re making?

database

Geographical location

Familiar with JSON format

Permission acquisition

Graphic lock

**Constraints**

What are the constraints or the limitations that you or the teams must work within such as scope, budget, and time?

In terms of time, we happens to be close to the end of many other courses, and they also have a lot of assignments, so we try to achieve all the goals of the project. Due to the epidemic, we cannot communicate face-to-face, but the network communication is still convenient, which has little impact on us.