哔哩哔哩_咻管家

Demand Specificaiton

1 Document description

1.1 Revision record

Version	Revision of time	Content Modified	Reviser
V1.0	2021.11.01	Write articles	Wei Xie
V1.1	2021.11.02	Updated some details	Diancong Wu
V1.2	2021.11.03	Write more documentation	Diancong Wu
V1.3	2021.11.04	Updated some details	Wei Xie
V2.0	2021.11.04	Add Functional structure diagram	Jian Lang
V2.1	2021.11.05	Add Information structure diagram	Jian Lang
V2.2	2021.11.06	Add some details in "Product overview"	Yuxiang He
V2.3	2021.11.06	The page hopping function is completed	Zekai Wang
V2.4	2021.11.06	Complete the key function of the small program	Zekai Wang
V2.5	2021.11.06	Modify some information in "Common operation"	Yuxiang He
V3.0	2021.11.07	Modify the format of the document.	Jian Lang
V3.1	2021.11.08	Typesetting and finalizing	Diancong Wu

1.2 Edit history

Document name	哔哩哔哩_咻管家 Demand Specificaiton	哔哩哔哩_咻管家 Demand Specificaiton	哔哩哔哩_咻管家 Demand Specificaiton	哔哩哔哩_咻管家 Demand Specificaiton
Version	**V1.0**	**V1.1**	**V1.2**	**V1.3**
Reviser	Xie Wei	Wu Diancong	Wu Diancong	Xie Wei
Write time	2021.11.01	2021.11.02	2021.11.03	2021.11.04

Document name	哔哩哔哩_咻管家 Demand Specificaiton	哔哩哔哩_咻管家 Demand Specificaiton	哔哩哔哩_咻管家 Demand Specificaiton
Version	**V2.0**	**V2.1**	**V2.2**
Reviser	Jian Lang	Jian Lang	Yuxiang He
Write time	2021.11.04	2021.11.05	2021.11.06
Document name	哔哩哔哩_咻管家 Demand Specificaiton	哔哩哔哩_咻管家 Demand Specificaiton	哔哩哔哩_咻管家 Demand Specificaiton
Version	**V2.3**	**V2.4**	**V2.5**
Reviser	Zekai Wang	Zekai Wang	Yuxiang He
Write time	2021.11.06	2021.11.06	2021.11.06

Document name	哔哩哔哩_咻管家 Demand Specificaiton	哔哩哔哩_咻管家 Demand Specificaiton
Version	**V3.0**	**V3.1**
Reviser	Jian Lang	Diancong Wu
Write time	2021.11.07	2021.11.08

2 Product overview

2.1 Product background

On the Bilibili platform, we often follow a large number of Uppers. As more and more Uppers we followed, some of our favorite Uppers fail to remind us of their updates on time, thus affecting our viewing. At the same time, the social attributes of Bilibili platform have not been fully developed, and most people use QQ and wechat to communicate and share the content they are interested in.

2.2 Introduction to products

This Mini Program, 哔哩哔哩_咻管家, can get our attention to the Upper, at the same time, we can set the Upper we most like to pay attention to as special care. Whenever these Uppers update their videos, the wechat Mini Program will push relevant notifications and reminders. So that we can see their video works at once. We also put forward the concept of "咻友" for Bilibili's pain point of lack of social attributes, which is convenient for users to realize communication and exchange between friends through wechat.

2.3 User-oriented

As a Bilibili auxiliary small program, all Bilibili users are our potential users. Every user who uses Bilibili can achieve a more convenient use experience through our small program.

3 User requirements analysis

3.1 Requirements gathering

- Users want to interact with other users and see what others are following.

- Users want to know what Upper their Bilibili platform is focused on.

- Check self-special concerns.

- If don't want to pay special attention to the Upper can be cancelled.

- With push notifications, can get videos.

- Select Upper for special concern.

3.2 Solution

Obtain the Upper of your account concerned on bilibili platform	Get the list by searching for your name in the search box. Click on your profile picture to find the Uppers you're following
Add as special concern	After obtaining the Uppers users are interested in on the Bilibili platform, you can set them to special care by clicking the plus sign

Friend interaction	Special attention information of wechat friends can be obtained in the circle of friends
Personal information	Set up a personal page to get personal special care, easy to delete and view
Update push notifications	Wechat push notifications push messages of particular interest, along with links to videos.

4   Product structure

4.1   Product functional structure diagram

4.2   Product information structure diagram

5   Global description

5.1   Functional authority

Wechat authorization: After wechat authorization, the Mini Program can run normally. Without authorization, the mini program can be directly quit.

5.2   Keyboard instructions

Click the input box to bring up the alphabet keyboard.

5.3 Exception declaration

Re-open the APP after interrupting：

Temporary access telephone	The original page is displayed
The system blinks unexpectedly, shuts down, or crashes	Start the page/Enter the home page
Short messages or other notifications occur temporarily	Notice appears at the top of the screen, does not affect the operation of the Mini Program

Click on blank area or no network condition：

The user has no network	When you open the small program and there is no network, the message "Network is not available, please try again later" is displayed. When loading the page with a small program, there is no network and the message "Network is not available, please try again later" is displayed.

5.4 Common operation

① Operation:

Pull to refresh;
Pull up load (end of list/bottom of list).

② User Account Pictures:

Users' avatars link to profile pages, with special cases explained separately on the page.

② Home Button:

Press the home button and the program will run in the background. When you open the Mini Program again, you will return to the page when you press the home button.
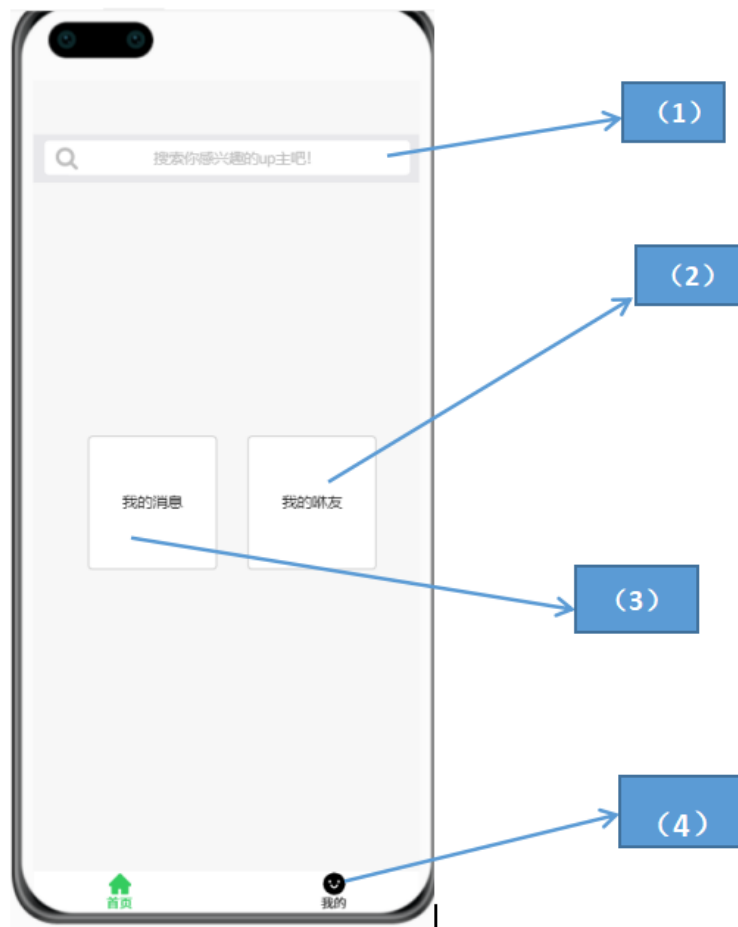
6 Functional Requirements page

① The launch page

When users open the Bilibili Butler applet, a launch page is displayed.

② Search (Home page)

Users can search bilibili users to obtain his special concern list, and

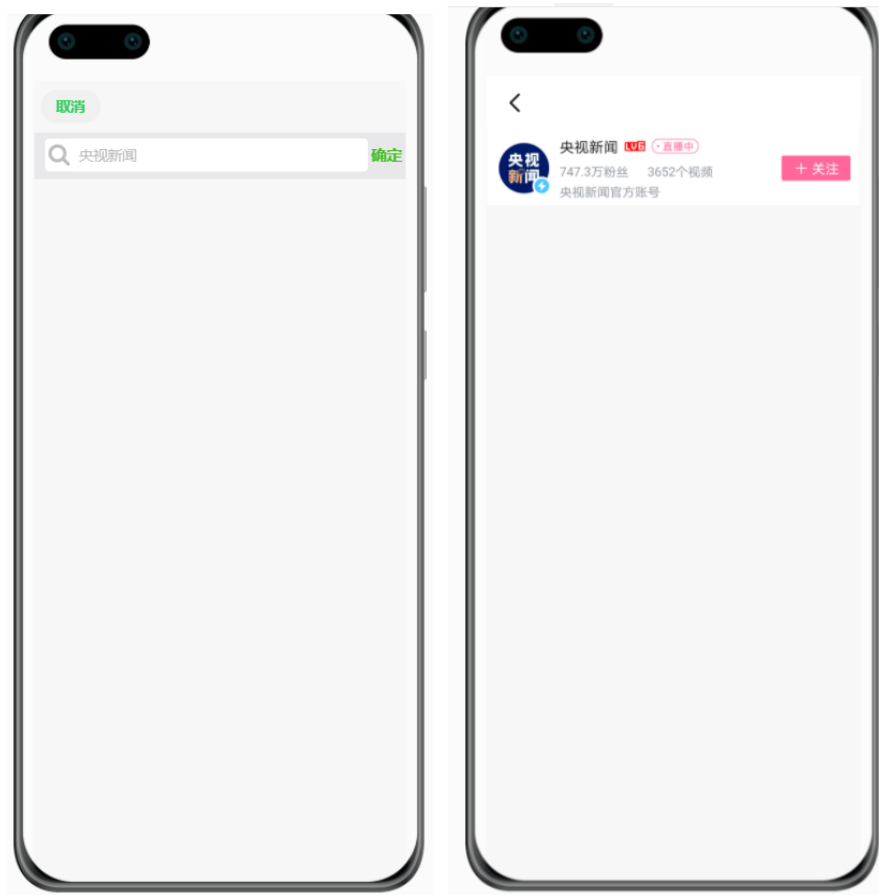**set his special concern bloggers as our special concern**

- Obtain the special care list of wechat friends in the wechat mini program, and set the blogger that the wechat friends are particularly concerned about as their own special care
- This is the button for users to receive wechat applets' message push.You can also receive messages from your wechat friends. The daily news of bloggers who are set to be particularly concerned will be pushed to users by our wechat mini program (including live broadcast reminders, work update reminders, etc.).
- This button can view part of the user's personal information (for example, the blogger that the user is particularly concerned about).

③ My personal interface

Users can clearly see some of their basic information and their special concern about the bloggers through this page, and change these bloggers to ordinary concern or not concern.

④ Search interface

Users can find other Bilibili users through the search functionUsers can find other Bilibili users through the search function.
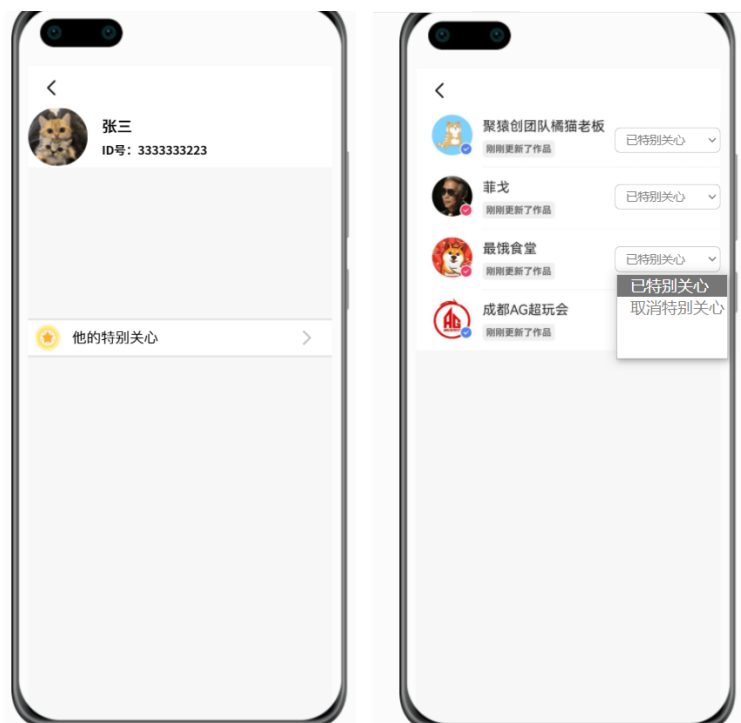
⑤ The message list

The message list allows users to know the news updates (such as work updates and live broadcast notifications) of y bloggers with special concerns pushed by wechat mini programs.

⑥ Friends list

我们可以通过搜索栏目搜索咪友

我们也可以通过字母顺序查找咪友

We can search for our friends in the search column or we can find our friends in alphabetical order.

Users click on the friends they want to view, and they can get part of their personal information, as well as his special care list. We can set his special care bloggers as our own special care bloggers.

7 Non-functional requirements

7.1 Demand for security

- The transmission of all user attribute information requires data encryption at the interface layer.
- HTTPS is required for all front-end pages.

7.2 Performance requirement

- The response time of the operation in the Mini Program should not exceed 5 seconds. In the case of timeout or weak network connection, the corresponding prompt should be given and the operation can be reloaded.

- There is no abnormal CPU usage when the program is idle and no abnormal peak usage when the program is busy.

- For concurrency to be high, the system must run smoothly.

7.3 Feasible demand

- Operating system support: all current mainstream models;
- Context-appropriate: use familiar interfaces and concepts;
- User controllable: page exit should be obvious to prevent user's wring operation;