

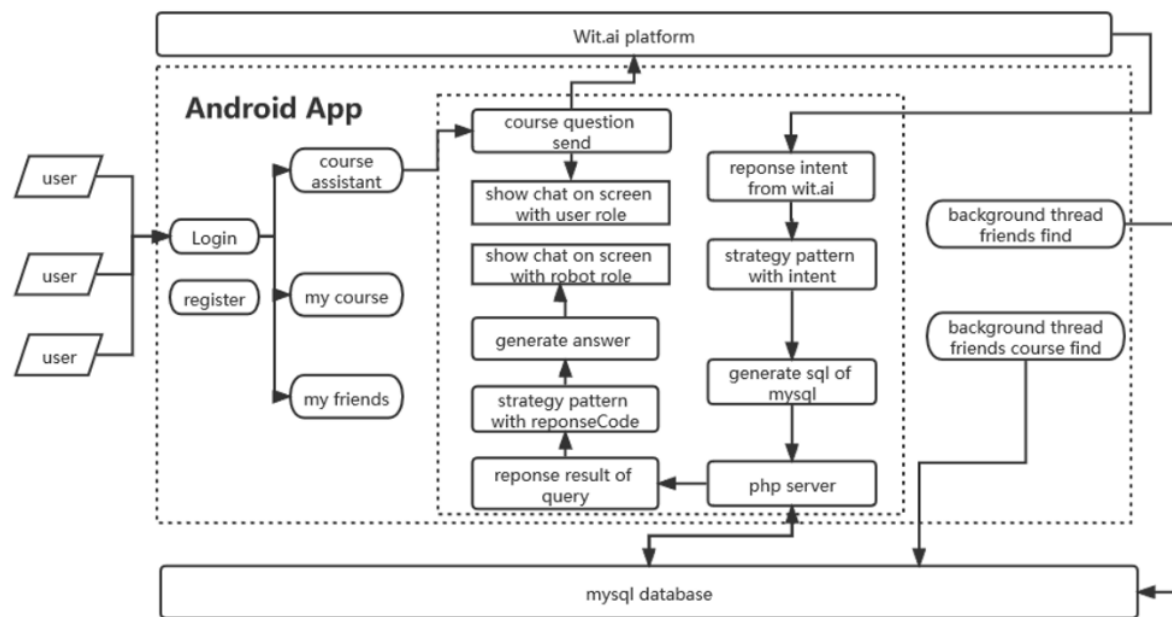
1、Project Motivation

This APP is designed for those students who choose courses in the new semester, providing user-friendly assistant for course selection. Through chatbot conversations, students are guided to find the courses they really need and like, and find friends and interest groups with the same interests in the course selection process.

2、Features

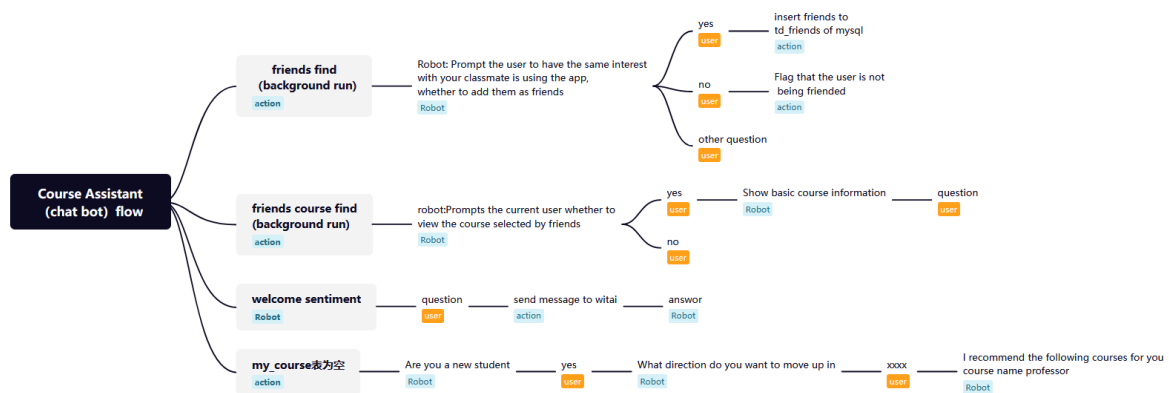
wit.ai nlp is used to train questions and phrases related to course selection and to implement the course selection chatbot to achieve a user-friendly course assistant

3、Design

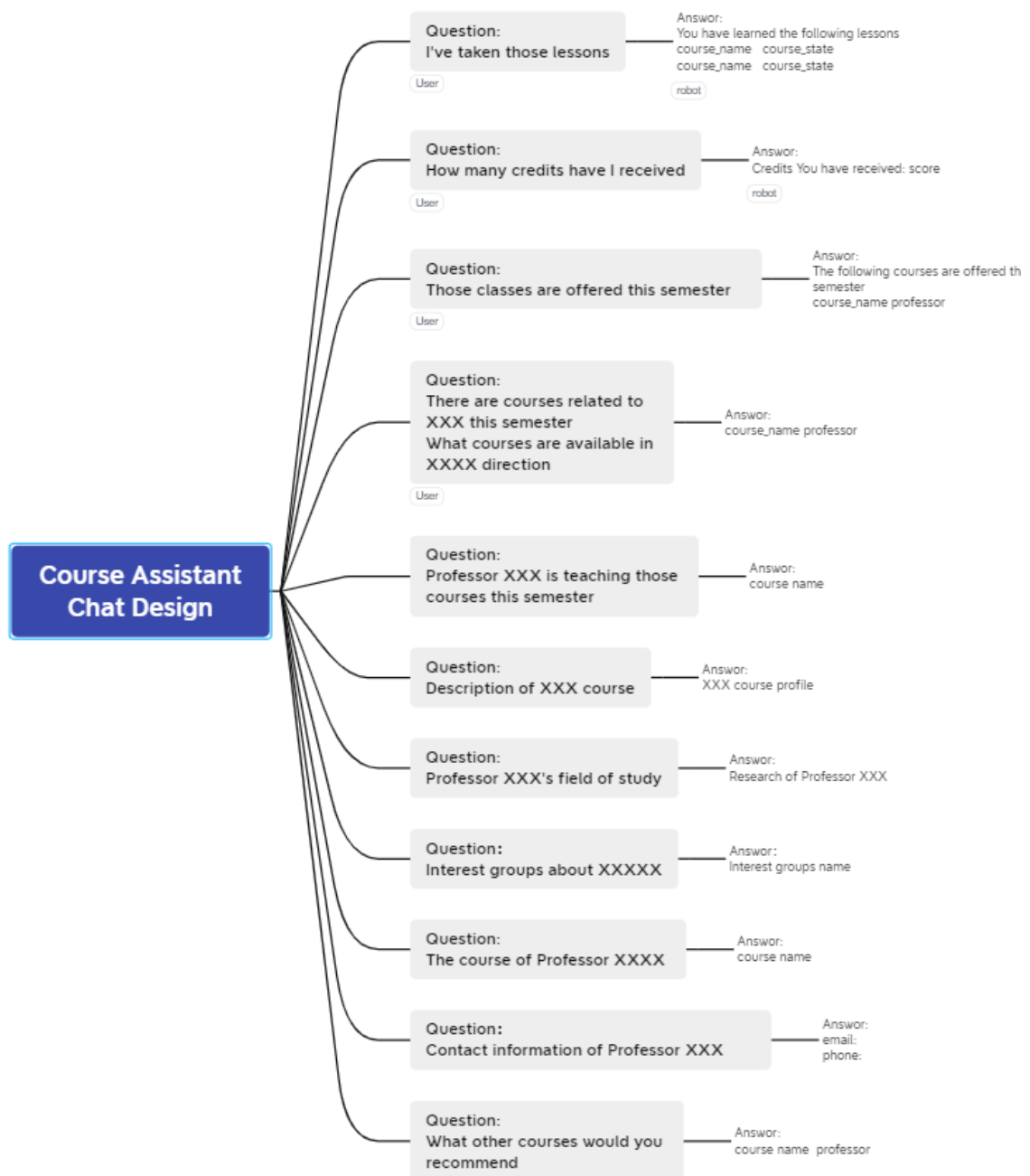


4、Chat Flow

1) chat flow



2) chat design



5 Database

1) 、td_user

名	类型
id	int
name	varchar
password	varchar
interest	varchar
email	varchar
create_date	datetime

2) 、td_my_course

名	类型
id	int
name	varchar
course_name	varchar
professor	varchar
score	varchar
type	varchar
create_date	datetime
stat	varchar

3) 、td_course

id	int
course_name	varchar
course_no	varchar
professor	varchar
comments	varchar
course_time	varchar
semester	varchar
keywords	varchar
require	varchar
create_time	datetime

4) 、td_professor

id	int
name	varchar
course	varchar
position	varchar
address	varchar
email	varchar
phone	varchar
research	varchar
Profile	varchar
* create_time	datetime

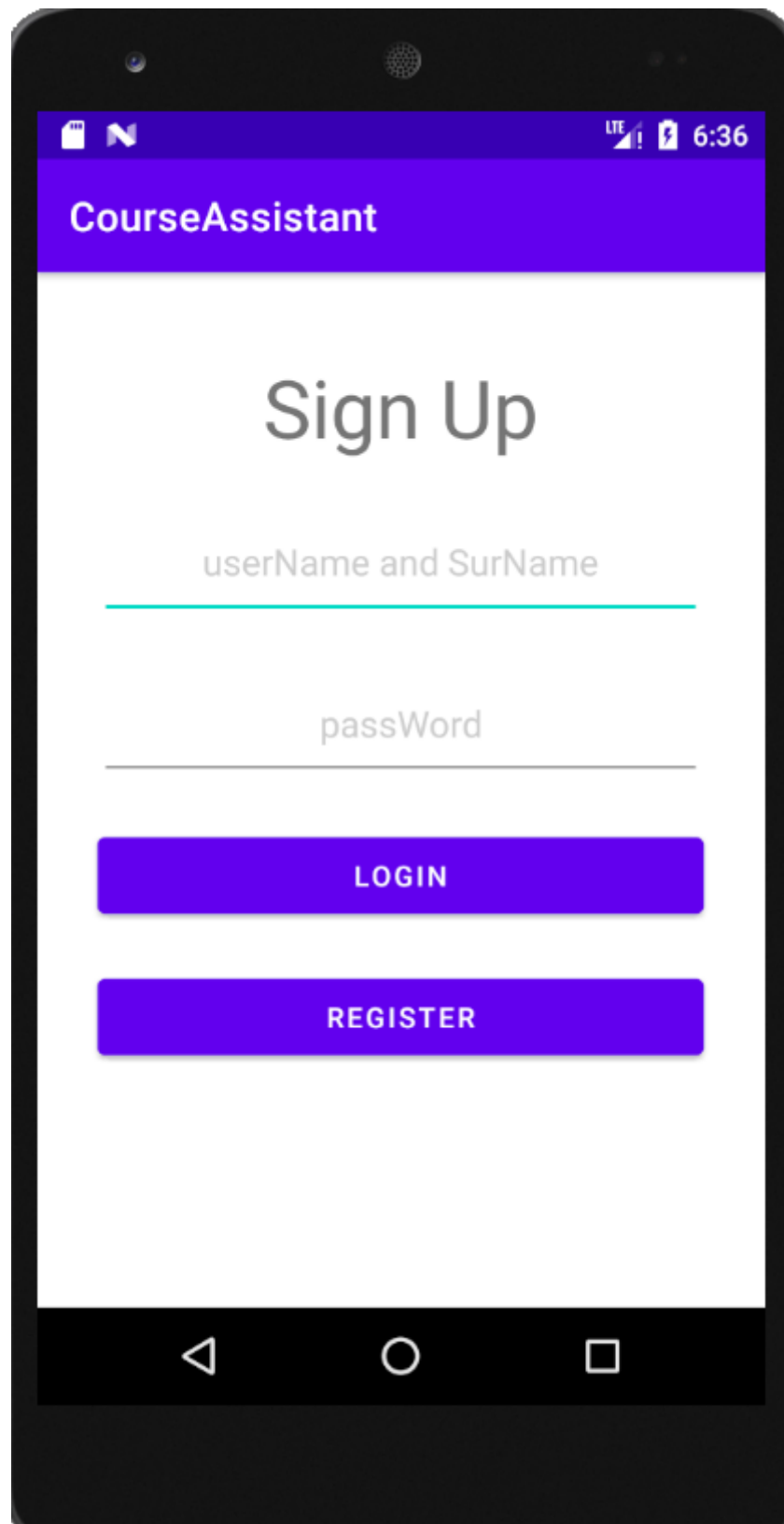
5) 、td_friends

id	int
name	varchar
friend_name	varchar
friend_email	varchar
update_time	datetime

6 Function

1) Login

Users must log in before using the app in order to get relevant information about the user



2) Register

New users of the app must first register the relevant user information in order to log in to the app

The screenshot shows a mobile application interface for 'CourseAssistant'. At the top, there is a purple header bar with the text 'CourseAssistant'. Below this, the title 'Register' is centered. The form consists of four text input fields: 'userName and SurName', 'passWord', 'repassWord', and 'contact'. Each field has a light blue underline. Below the input fields, there are two rows of checkboxes. The first row contains checkboxes for 'data mine', 'HCI', and 'NLP'. The second row contains checkboxes for 'spark', 'lot', and 'tcp/ip'. At the bottom of the form is a large purple button with the text 'REGISTER' in white. The entire interface is set against a white background. The top of the screen shows a status bar with icons for LTE, battery, and the time 6:43. The bottom of the screen shows a black navigation bar with three white icons: a triangle, a circle, and a square.

CourseAssistant

Register

userName and SurName

passWord

repassWord

contact

☐ data mine ☐ HCI ☐ NLP

☐ spark ☐ lot ☐ tcp/ip

REGISTER

3) MyCourse

Fill in the logged-in user's basic course information to facilitate subsequent viewing in the chatbot and to mine the course to be selected

CourseAssistant

MyCourseInfo Fill

course name

professor

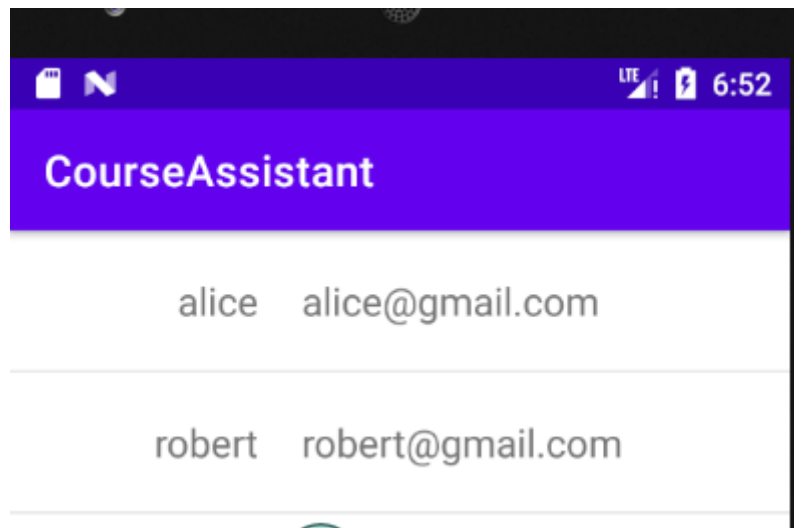
score

state

SUBMIT

4) ChangeProfile

If you find a friend with the same interests in the chatbot, this page allows you to view the name and contact information of your friend



5) course assistant

The course assistant sends the user's question to wit.ai and gets the intent for that statement. The program resolves different intents in policy mode

Generate their own sql statements, query the database, obtain the results in policy mode, according to different scenarios to generate natural language, and display in the chatbot.



7:04

CourseAssistant



Welcome to use
CourseAssistant, I will provide
some services for you



Now, there are 2 friends who have
the same interest as you, they are
sss, albert, Whether or not you want
to add them as friends?

SEND