WriteDown

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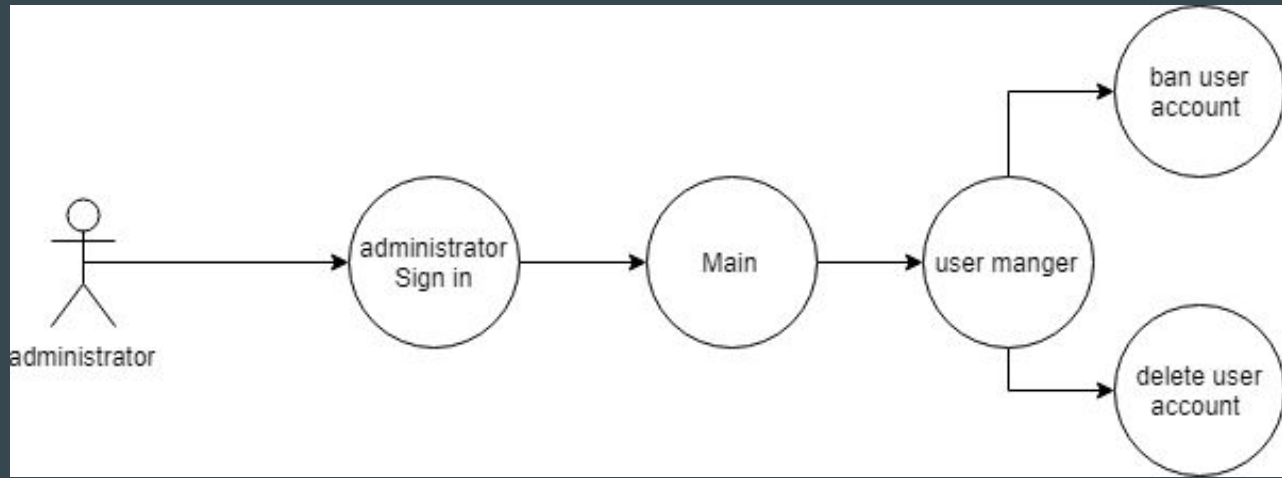Team: Mengmeng Liu,Yangling Hu,Ruifeng Zhu, Yiheng Jiang

Design

Use case 1: the administrator manages the user account.

Actor:The user, The administrator

Prerequisites: The administrator has an active administrator account.
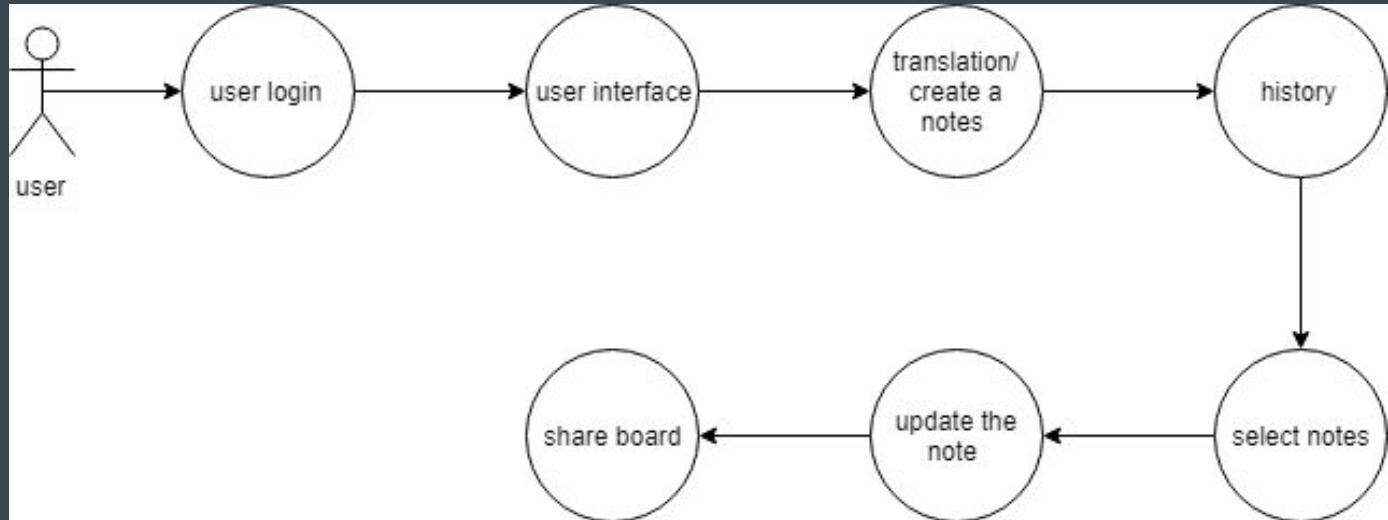
Users have their own personal accounts

Use cases:

Use case 2: the user uploads an existing history translation note.

Actor:The user

Prerequisites (one or more) : The user has an active account.
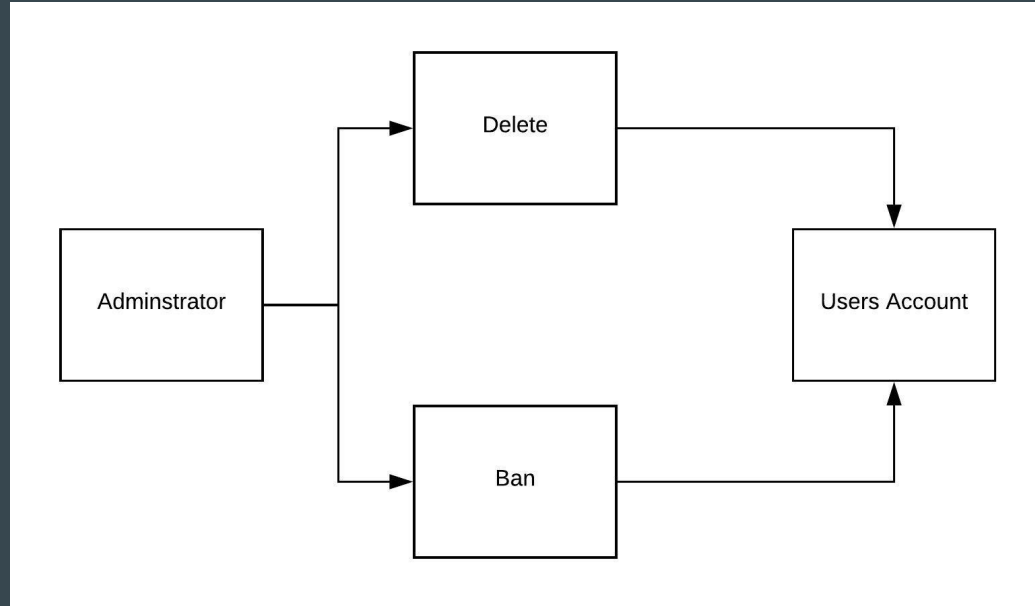
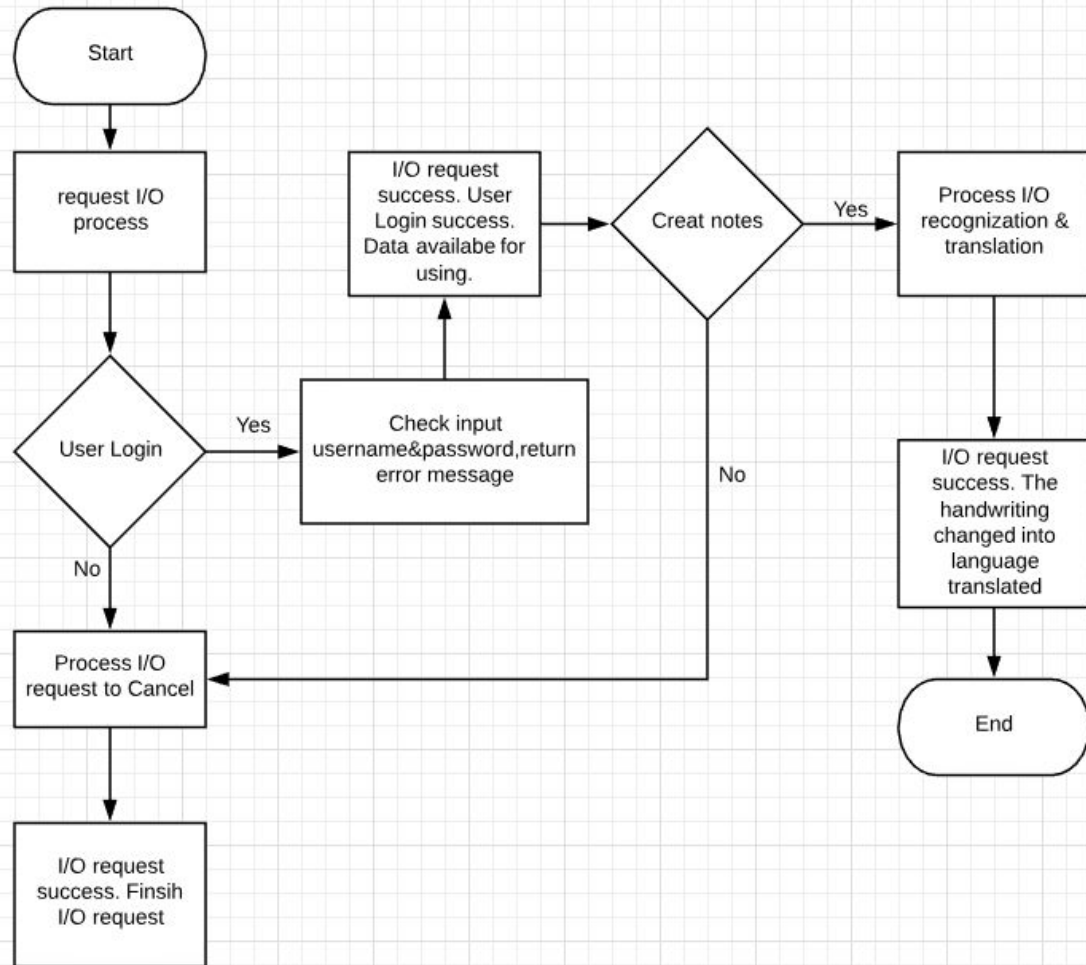There are translation notes in the user history

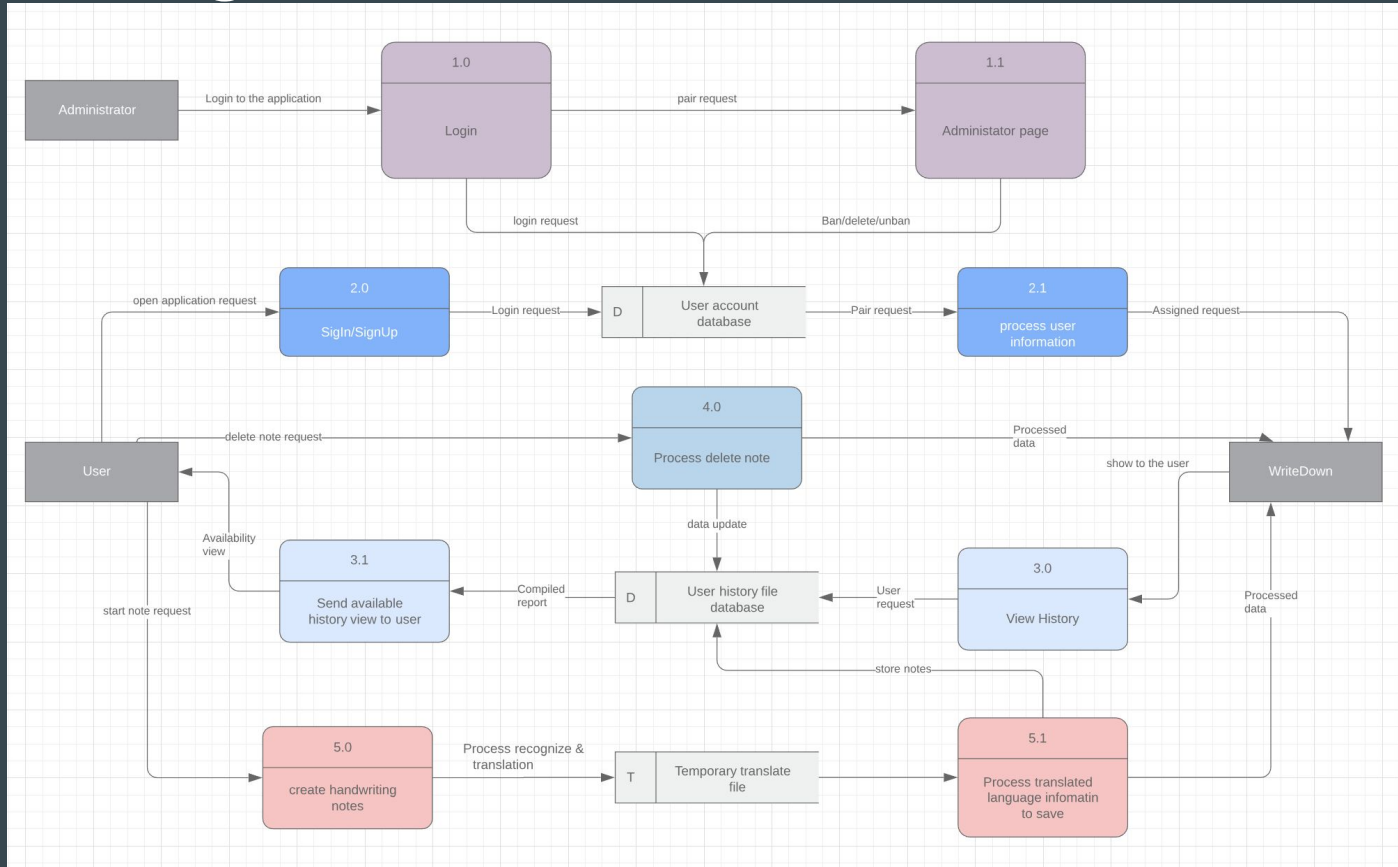Use cases:

Control
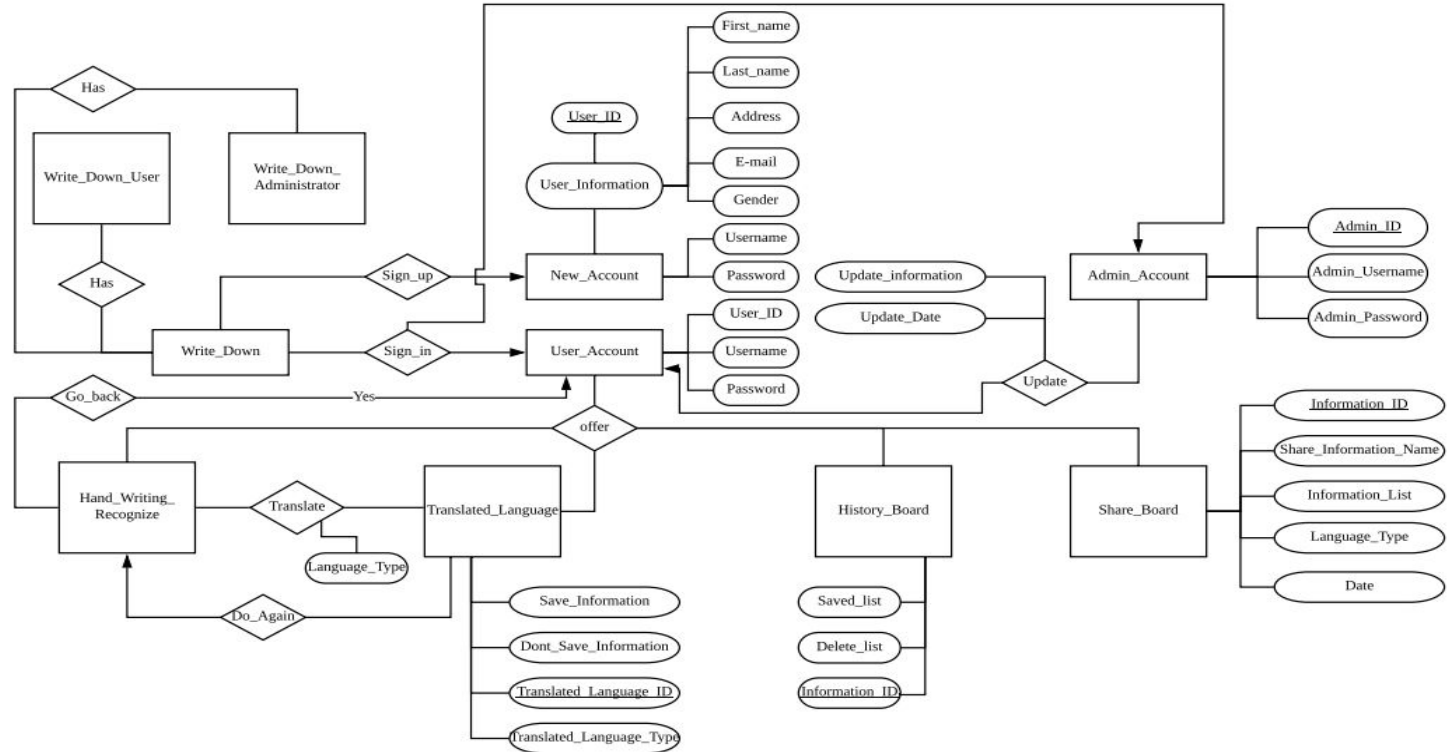
Adminstrator:

- Delete
- Ban

I/O Diagram

Data Flow Diagram

Administrator → Login to the application → **1.0 Login** → pair request → **1.1 Administator page**

Login → login request → **D User account database**

Administator page → Ban/delete/unban → **D User account database**

open application request → **2.0 SigIn/SignUp** → Login request → **D User account database** → Pair request → **2.1 process user information** → Assigned request →

User → delete note request → **4.0 Process delete note** → Processed data → WriteDown

process user information → Assigned request → WriteDown

WriteDown → show to the user

4.0 Process delete note → data update → **D User history file database**

D User history file database → Compiled report → **3.1 Send available history view to user** → Availability view → User

3.0 View History → User request → **D User history file database**

WriteDown → Processed data → **3.0 View History**

User → start note request → **5.0 create handwriting notes** → Process recognize & translation → **T Temporary translate file** → **5.1 Process translated language infomatin to save** → store notes → **D User history file database**

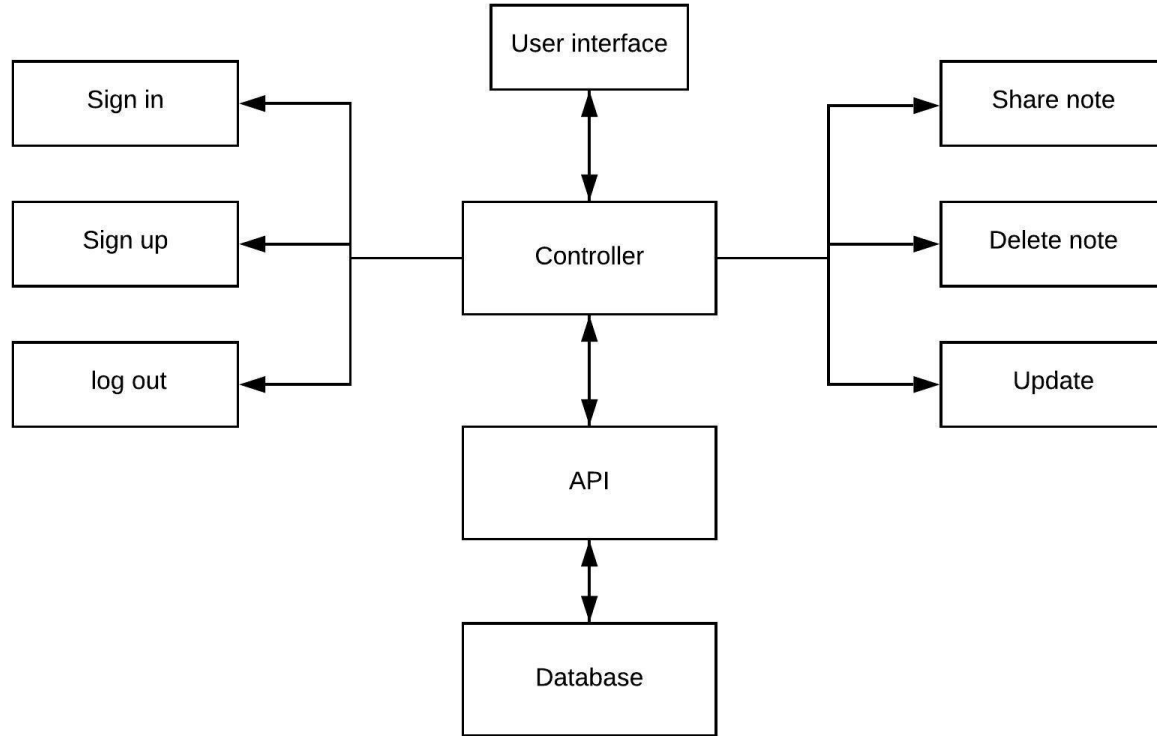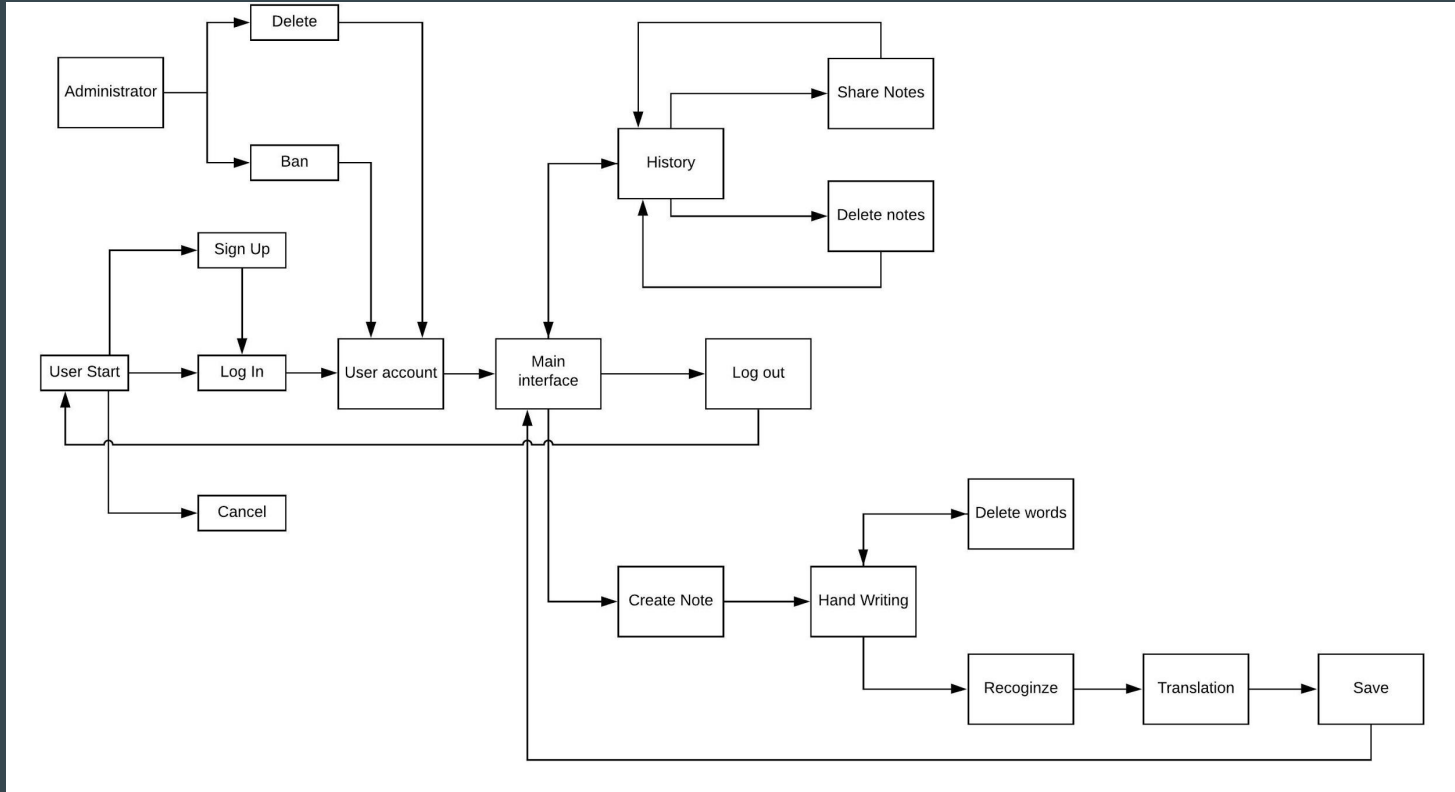**5.1 Process translated language infomatin to save** → Processed data → WriteDown

ER-Model

System model

Process Model

Simplified Sub-system to System interaction
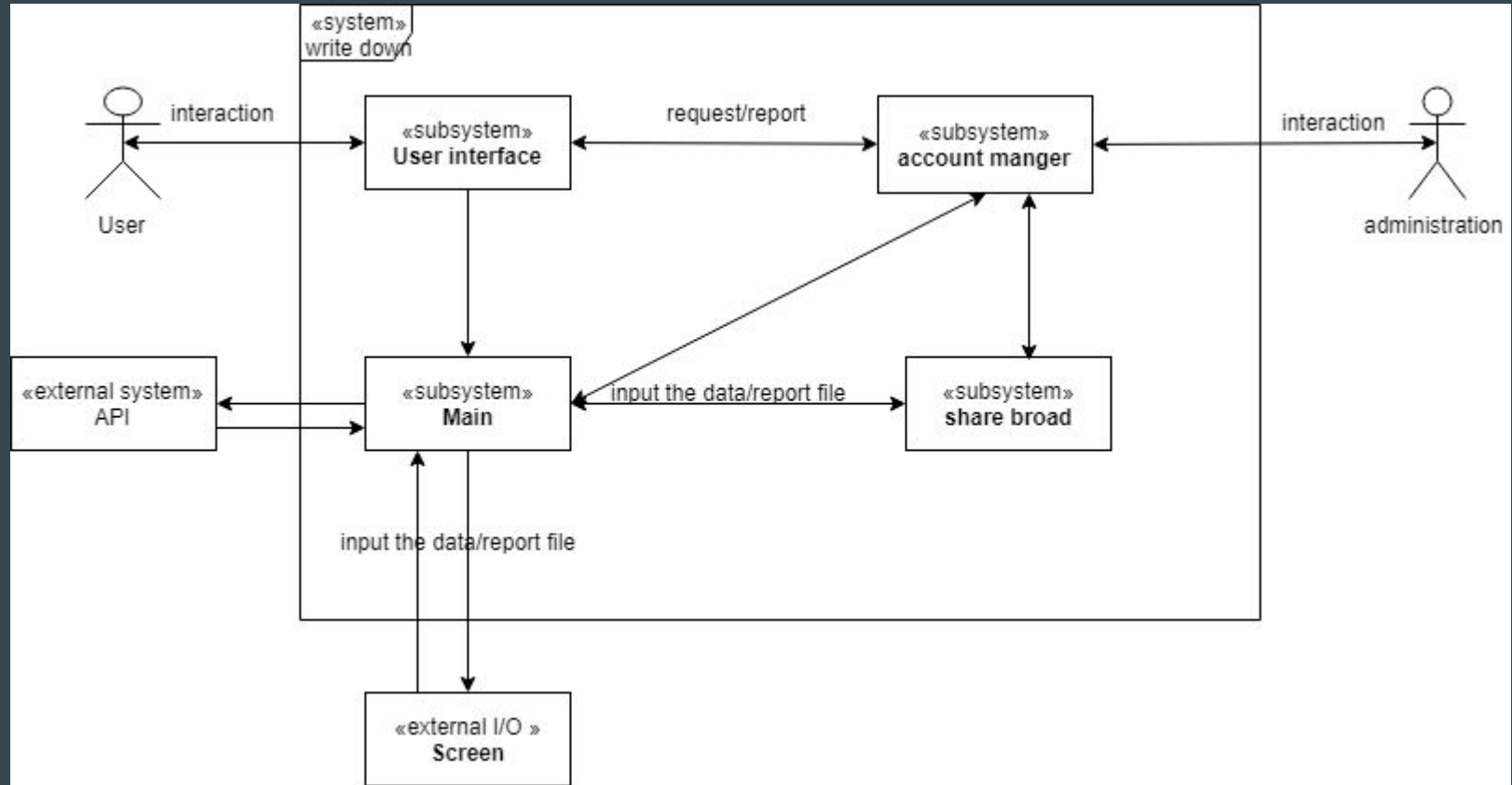
Data dictionary

Column Name	DataType	Description
Uuid	VARCHAR()	Unique Id Key with random value, PK, UN
LastName	VARCHAR()	User lastname
FirstName	VARCHAR()	User firstname
Gender	INT()	0- For male 1- For female
Address	VARCHAR()	(optional)
Username	VARCHAR()	Input username with characters ,symbols and interages,UN
Password	VARCHAR()	Input password with characters, symbols and interages
Usertype	INT()	0 for the normal user 1 for the administrator
Email	VARCHAR()	Input Email by correct email address, UN
Banned	INT()	1- for banning user account 0- for normal user account use
Img	VARCHAR()	Img update for user setting
History	VARCHAR()	Store data to the database from user account

Thank You!

Any questions?