

System Analysis (Frontend)

Frontend Interface 1

Interface Name

Interface for Log in

Interface Data:

- *UserName: string*
- *PassWord: string*

Interface direction

From Database to Frontend

Interface Description

When logging in, the frontend needs to check the username and password to get permission.

Frontend Interface 2

Interface name

Interface for Registration

Interface data

- *UserName: string*
- *PassWord: string*

Interface direction

Between Database and Frontend.

Interface Description

During registration, we have to ensure that the username is unique by querying database. After the registration user info is stored in database.

Frontend Interface 3

Interface name

Interface for Location

Interface data

- *Lat: double*
- *Lon: double*
- *Country: string*
- *State: string*
- *City: string*
- *Street: string*
- *Number: string*
- *Floor: string*
- *ZipCode: string*

Interface direction

From Database to Frontend.

Interface Description

The frontend should provide the location information for precise recommendation.

Frontend Interface 4

Interface name

Interface for Store

Interface data

- *StoreName: string*
- *StoreDescription: string*

Interface direction

From Database to Frontend.

Interface Description

The frontend should show the store information by querying the database.

Frontend Interface 5

Interface name

Interface for Customer

Interface data

- *Username: string*
- *Password: string*
- *Birthday: Date*
- *Interests: list(string)*
- *CurrentLocation: Location*

Interface direction

Between Database and Frontend.

Interface Description

Users are allowed to read and edit personal information.

Frontend Interface 6

Interface name

Interface for Map

Interface data

- *StoreName: string*
- *StoreLocation: Location*
- *StoreDescription: string*
- *ItemsList: list(Item)*
- *HuntedItemList: HuntedItem*

Interface direction

Between Database and Frontend.

Interface Description

Map information is visualized on the screen by querying the database.

Frontend Interface 7

Interface name

Interface for Feedback

Interface data

- Item: Item
- Comment: string
- Rating: int,
- UserName: string

Interface direction

From database to frontend.

Interface Description

Users can give feedback through frontend which will be stored in database.

Frontend Interface 8

Interface name

Interface for Item

Interface data

- Item

Interface direction

From database to frontend.

Interface Description

Users need to know something about the item.

Frontend Interface 9

Interface name

Interface for HuntedItem

Interface data

- Item

Interface direction

Between Frontend and Database.

Interface Description

Hunted list is visualized on the screen and can be edited.