Zhi Qi Entry Task API Documentation
API Gateway
Public API Interface

Method	HTTP Request	Input	Description
signup	POST /api/signup	username, password	Signup a user into our system
login	POST /api/login	username, password	Login a user into our system
logout	POST /api/logout	username Auth: JWT-token header	Logout a user from our system
addItem	POST /api/addItem	Item_id, store_id, item_name Auth: JWT-token header	Add an item into user's tracking list
listItems	GET /api/listItems	Auth: JWT-token header	List all items user is tracking
price	GET /api/itemPrice	Params: item_id Auth: JWT-token header	List price changelog of item based on item_id

User Service
Private API Interface

Method	HTTP Request	Input	Description
signup	POST /user/signup	username, password	Signup service
login	POST /user/login	username, password	Login service
logout	POST /user/logout	username	Logout service
addItem	POST /user/addItem	username, Item_id, store_id, item_name	Item adder service
listItems	GET /user/listItems	Params: username	Item retrieval service
price	GET /price/itemPrice	Params: item_id	Price changelog retrieval service

Database Schemas

User
"id" BIGINT PRIMARY KEY AUTO_INCREMENT,
"username" VARCHAR(255) UNIQUE NOT NULL,
"password" VARCHAR(255) NOT NULL (hashed),

Items
"id" BIGINT PRIMARY KEY AUTO_INCREMENT,
"Item_id" BIGINT NOT NULL,
"Store_id" BIGINT NOT NULL,
"Item_name" TEXT NOT NULL

Item_price
"Item_id" BIGINT NOT NULL FOREIGN KEY (Items) PRIMARY KEY,
"Price_date" DATE NOT NULL PRIMARY KEY,
"Price" INT NOT NULL

User_Items
"Id" BIGINT PRIMARY KEY AUTO_INCREMENT,
"Item_id" BIGINT NOT NULL FOREIGN KEY (Items)
"Username" FOREIGN KEY (Users)