

# **Homework 5**

## **System Analysis and Design**

### **User**

A class that represents each individual user of the app that will access the journal, including the profile of each user.

### **Journal**

Journal class represents a journal that the user has created. The main properties of the journal are its title, body text and the images associated with that specific journal. Journal class will interact with the User, SmartPrompt and the Database class.

### **Database**

The database stores each journal and user.

### **HashableImage**

An image with a unique identifier.

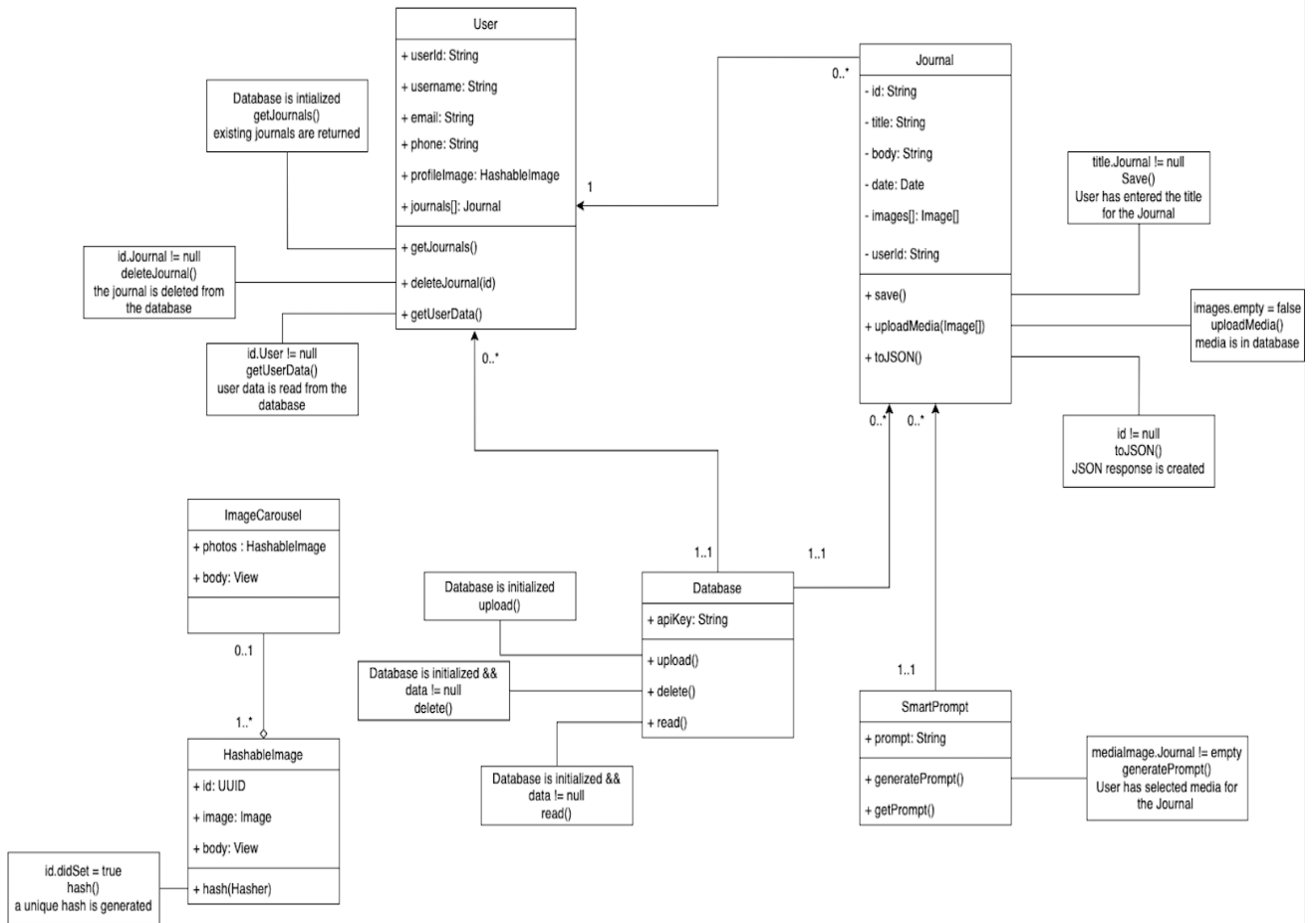
### **ImageCarousel**

A visual representation of HashableImages. It provides an interface for the user to swipe between images.

### **SmartPrompt**

SmartPrompt class handles the generation of smart prompts associated with a journal. SmartPrompts will be generated based on the image that the user uploads.

# CLASS DIAGRAM



# OBJECT DIAGRAM

