

# **Team oKHLahoMa's Design Doc**

## **The Idea**

*A photo a day keeps the amnesia away.* Team oKHLahoMa presents **A Pic A Day**, a photo blog website designed for photo-enthusiasts who understand the meaning of less is more. Users may upload a maximum of one photo a day, which can be filtered with the day's featured filter. The goal is to upload each day and build up your streaks. Users can follow each other to receive their photos on their Feeds. Alternatively, users can visit a user's profile page to see all of the user's posts.

In version 2, we will add tagging functionality to the posts so that users can use tags to search for/filter posts. Additionally, users will be able to receive achievements for hitting certain benchmarks with their streaks (e.g. 100 days!). Lastly, we will add the option for users to select a song of day (using the Spotify API) to add to their photo captions.

## **Design Phases**

### **I: CORE**

- Users can only upload one photo every day
- Keeps track of streaks (private, other users don't see this)
- New mystery filter everyday (Cloudinary API)
- Song of the day option for the caption (Spotify API)
- User profile pages and Feed
- Users follow each other

### **II: EXTENDED**

- Add tags that can be used to search for posts
- Achievement stamps for streaks

## **CSS Framework** Bootstrap

## **ROLE DELEGATION**

*PM* – Kelly

*Front-end* – Haley

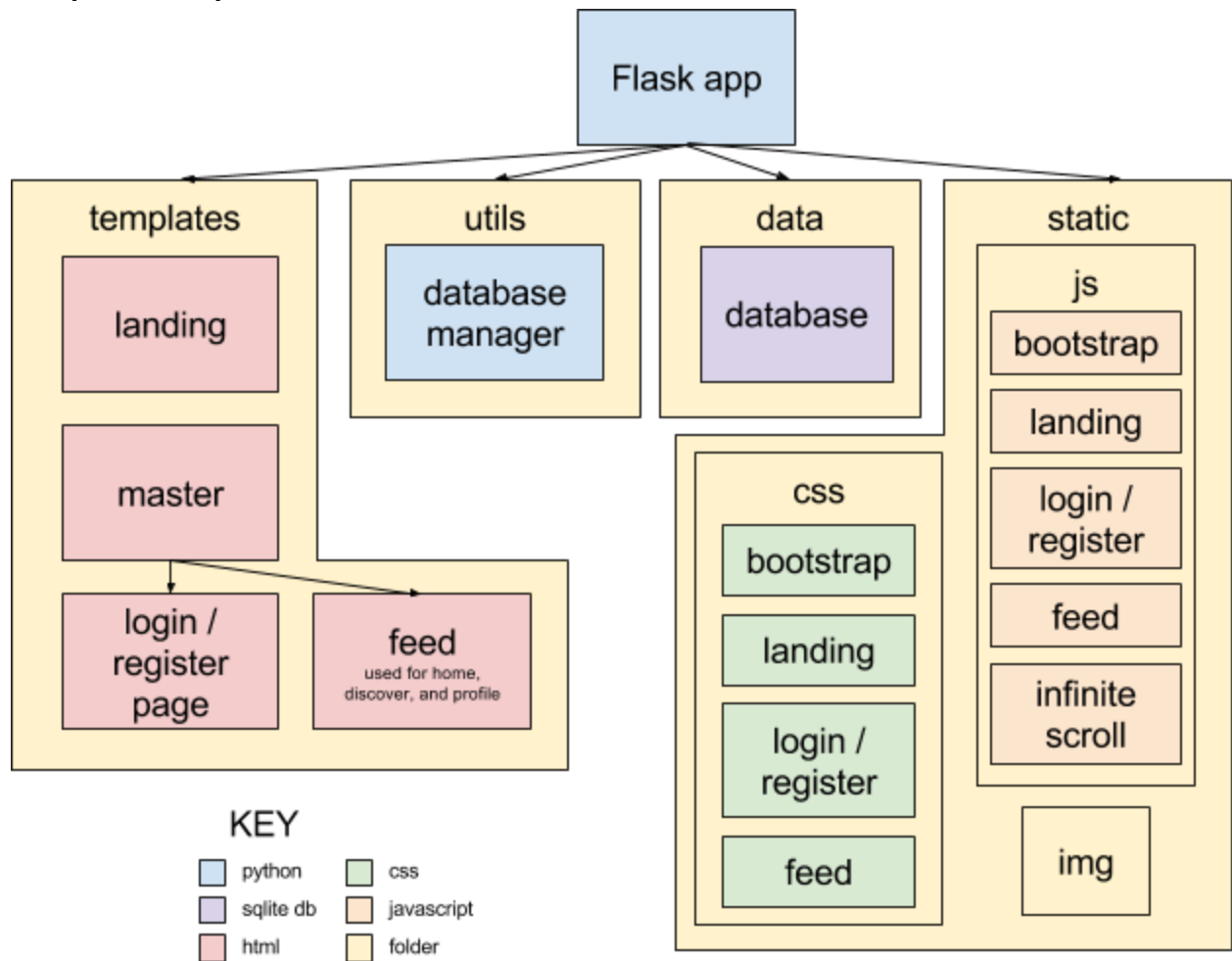
*Database Management* – Daniel

*Flask/Python and APIs* – Edmond

## **Components**

- Flash app and other python files
- HTML templates
- Bootstrap CSS
- Javascript
- SQLite database
- Ajax

## Component Map



## Database Schema

users	posts	followtable
user id   <b>INTEGER</b>	post id   <b>INTEGER</b>	who is being followed (user id)   <b>INTEGER</b>
username   <b>TEXT</b>	author (user id)   <b>INTEGER</b>	
password (hashed)   <b>TEXT</b>	photo link   <b>TEXT</b>	who is following (user id)   <b>INTEGER</b>
current streak   <b>INTEGER</b>	caption   <b>TEXT</b>	
all time best streak   <b>INTEGER</b>	upload time   <b>INTEGER</b>	
last upload time   <b>INTEGER</b>		

## Site Map

