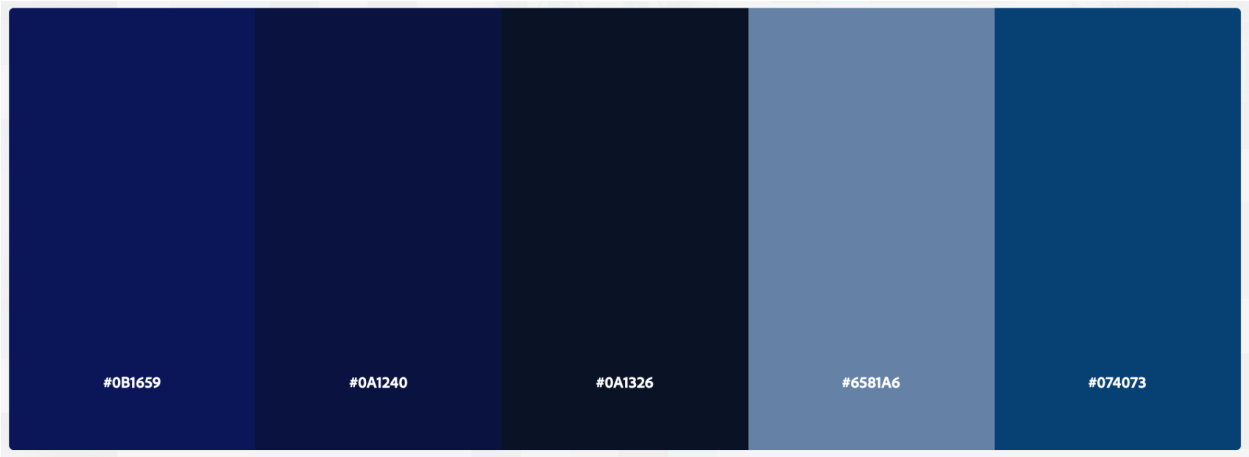
**ITP 303 Final Project Proposal**
Skylar Kim, 12 PM Section

**Topic:** A website where users and guests can search NASA's astronomy picture of the day (APOD), and people can register as users to save their favorite APOD to their account.

**Audience**: My audience are people who enjoy astronomy, astrophotography, and want to keep a collection of their favorite astronomy pictures! As a lifelong astronomy fan (I have an astronomy related tattoo), the audience are people like myself.

**Design & Style**:

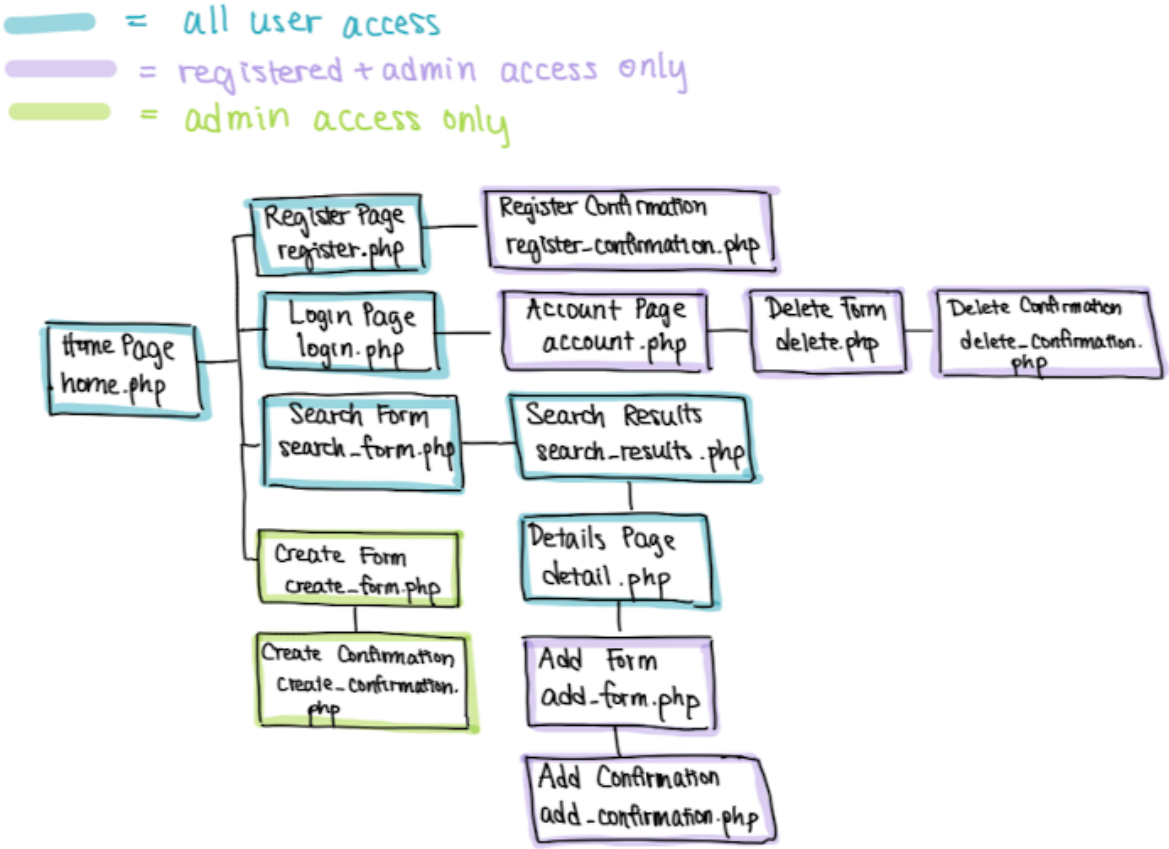
- Design & Color Scheme:
    - Design:
        - Minimalistic, with futuristic, with fonts and overall design inspired by outer space aesthetics from movies such as Alien (1979), Interstellar (2014), and The Martian (2016)
    - Color Scheme: My idea is to use deep space related color schemes, leaning towards dark blues for the background and light blues for highlights and text.




- 3 Websites that inspired my design:
    - https://www.behance.net/gallery/69936579/Landing-page-dedicated-to-astronomy
    - https://www.flickr.com/
    - https://www.spacex.com/

**Scope**: I am planning to have multiple pages. (see figure for workflow)

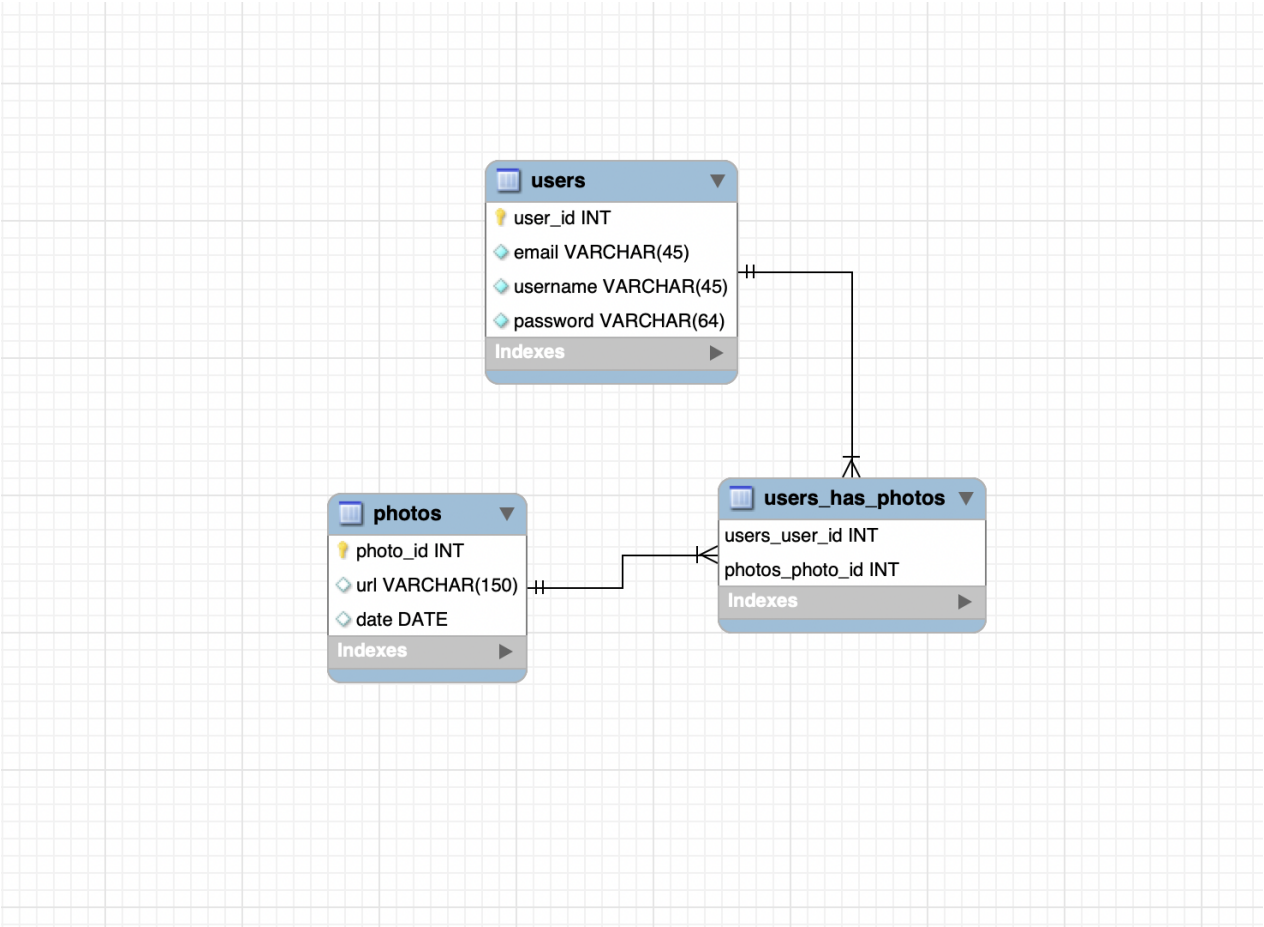
- Home.php
- register.php
    - register_confirmation.php
- login.php
- search_form.php
- create_form.php
    - create_confirmation.php
- account.php
- search_results.php
- details.php
- add_form.php
    - add_confirmation.php
- delete.php
    - delete_confirmation.php



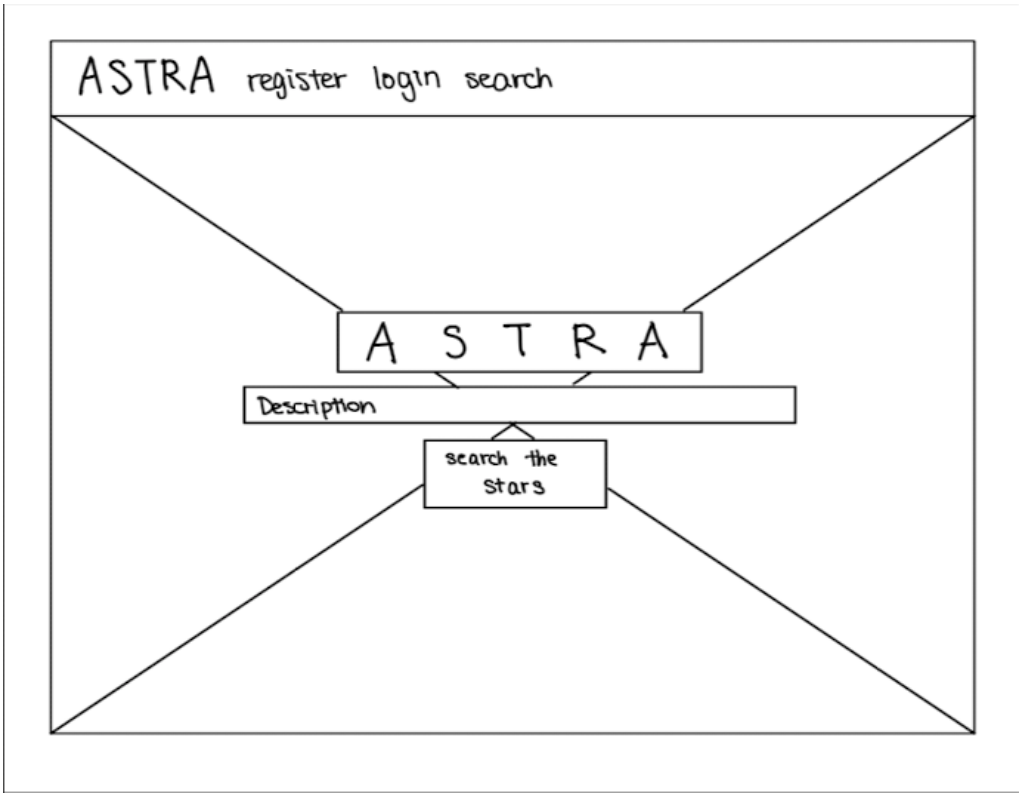
**Database**:

- Data stored in the database?
    - TABLE: users
        - user_id : INT
            - Stores user ID's
        - email: VARCHAR(45)
            - Stores user email's when they register
        - username: VARCHAR(45)
            - Stores user's username when they register (debating on whether to include this data since email is already being stored)
        - Password: VARCHAR(64)
            - Stores user's password (hashed with sha256)
    - TABLE: photos
        - photo_id: INT
            - primary key for Nasa's Astronomy Photo of the Day
        - url: VARCHAR(150)
            - Stores the url to the APOD
        - date: DATE
            - Stores the date of the APOD (from NASA APOD API)
- Where is the data coming from?
    - The data is coming from NASA's Astronomy Photo of the Day API
    - https://github.com/nasa/apod-api

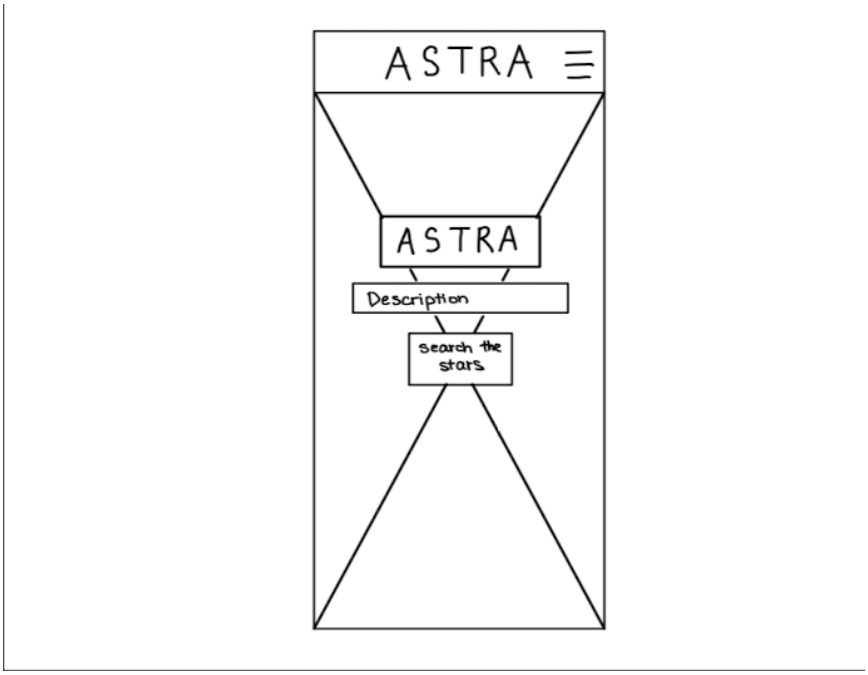
**Database Diagram:**



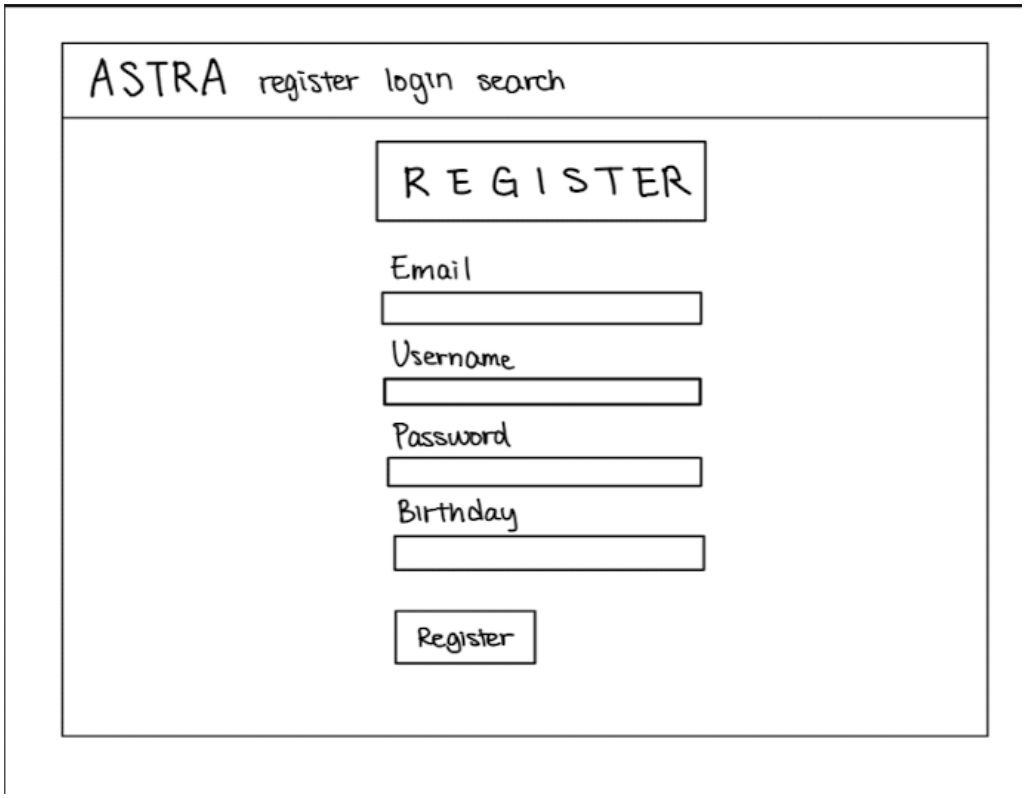
**Wireframes**



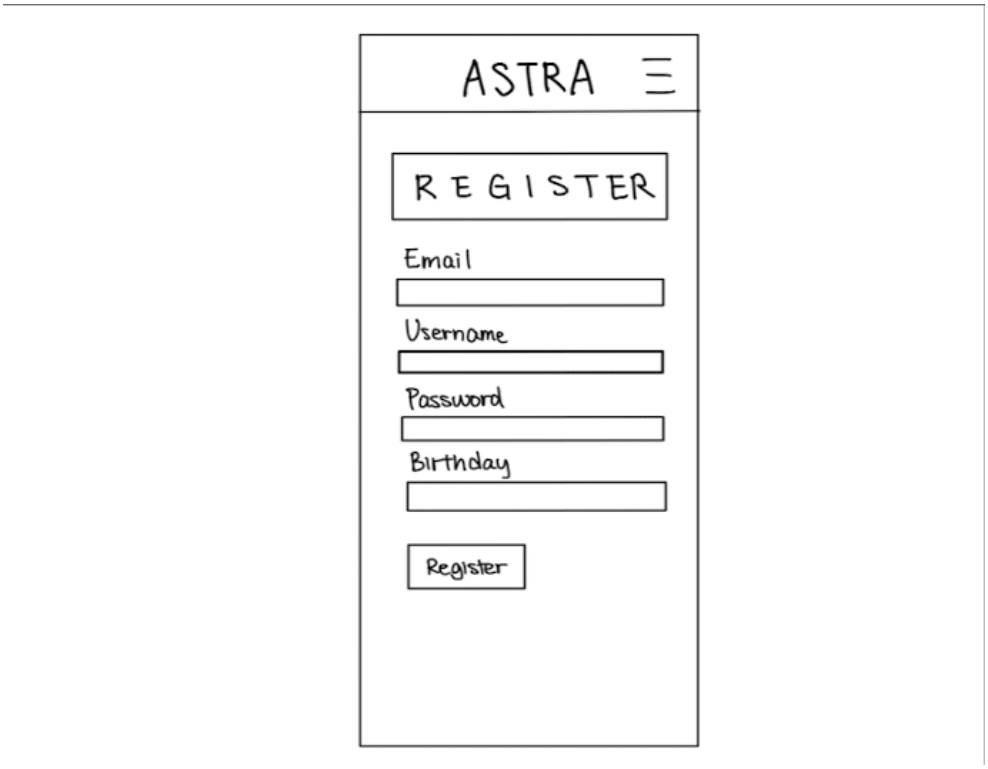

Home Page (Desktop)




Home Page (Mobile)




Register Page (Desktop)




Register Page (Mobile)