

Team: WeNeedAName

Members and Roles:

Hong Wei Chen: Project Manager, Frontend

Pratham Rawat: Backend

Justin Shaw: Backend / Database

Yifan Wang: Frontend



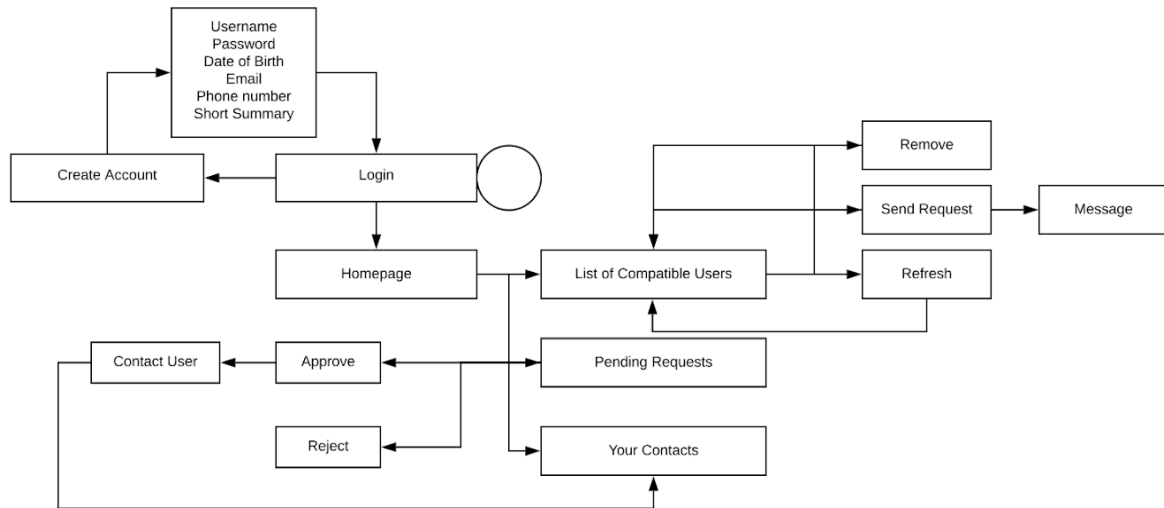
Idea: Horoscope Dating Website

Romance has gone amiss in the world. We find too many failed relationships and broken homes, devastating those inside. It only adds resentment, pain, and suffering to the world. We have a solution. Most relationships simply *look* at the stars, we want them to be *a part* of the stars, built directly off of strong foundations in astrology and mystic science. We can ensure your future relationship will be a success based off of our proprietary matching algorithm, pulling planetary data from various APIs and combining them with their known traits to ensure the perfect match. Don't just look at the stars, become a part of them, with **Star-Crossed**.

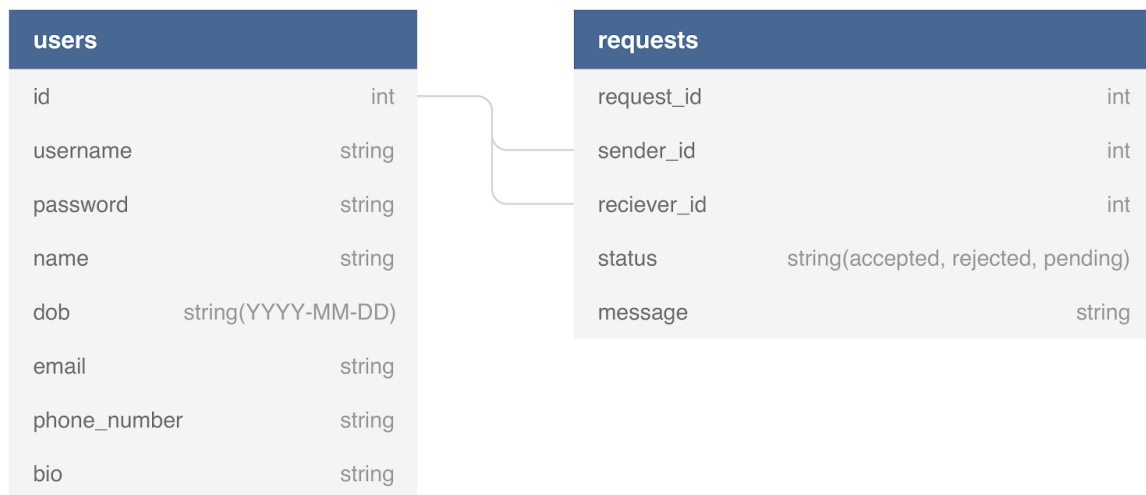
Site Features:

1. Authentication/registration
 - Login/signup form
2. Profile
 - Each user gets their own profile upon registration
 - Add/update personal/contact info
 - Add/update horoscope info and bio
 - Displays pending/accepted requests to other users
 - Displays requests sent from other users
3. Matchmaking tool
 - Uses APIs to retrieve data for user
 - Uses functions to determine compatibility for user
 - Creates a list of other users that are "compatible" with the user, displays bio and horoscope info
 - User can remove/block users from list
4. Shoot your shot
 - Users can send requests to users that are "compatible" to them with a message
 - Users can view horoscope information/bio about other users if they send a request
 - Users can accept/reject any incoming requests
5. Contacts page
 - Compatible users can view each other's personal contact information. No communication is available so users must converse on another app.

Site Plan:



Database Design:



Component Map:

| Front-end Component | Back-end Component | Interaction |
|--------------------------|---|--|
| Create account | users table | Creating a new user account adds a new user to the table |
| Homepage | Daily Horoscope API Ephemeris API Moon Phase API users table | Accesses the user's dob to determine star sign and displays a daily horoscope. Displays current astrological data, much as planetary retrograde, moon phase etc. |
| List of compatible users | Ephemeris API IP Geolocation API users table | Pulls planetary alignment from DOB information, and location information from IP to find matches with other users using a compatibility algorithm. |
| Send request | requests table | Adds a new pending request to the requests table |
| Pending requests | requests table | Displays pending requests to the logged-in user |
| Contact/user | users table | Displays user's bio and contact information |
| Your contacts | requests table | Displays users to whom approved requests were sent |

APIs:

- IP Geolocation API: Lookup IP Address to determine IP location, helps the user find people in their area
- Ephemeris API: Allows site to retrieve information about planet speed and position, and cusps position
- Ohmanda Daily Horoscope API: provides horoscopes based upon user's sun sign
- Moon Phases API: Provides site the phase of the moon at a certain date and time
- theastrologer-api: provides horoscopes and keywords based upon user's sun sign using data from an astrology website
- Aztro API - provides compatibility based on sign