Final Project
Final Deliverable
CSC 337: Web Programming

Team Members: Emily Ayala, Jennifer Galvan, Isabelle Lizarraga, Jazmin Juarez

Overview:

It begins with a page that asks whether to log in or create a new account. If the user chooses to create a new account, it will ask for name, profile name, email,birth year, birth month, and birth date, all which will be required fields. If the user chooses the "Login" option, it opens a welcome back page that asks for name, username, and email. Then it takes the user to the main page that offers different fortune telling options: magic eight ball, fortune cookie, personal horoscope,a journal that contains past fortunes, and a leaderboard displaying other users' most recent fortunes. It also has the option to go back to the main page. The user gets to click on whichever option they would like, and each one will lead to its own page. The end result will be a user interactive page that offers multiple fortune telling methods as detailed below.
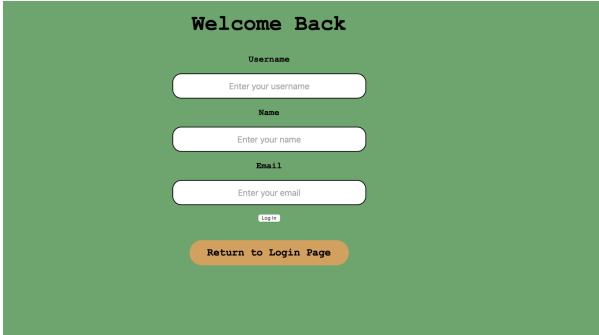
Features:

- One main page that can navigate to each specified fortune type
- 3 different fortune types accessible on individual pages
- User profiles
- Store for fortunes generated by unique users
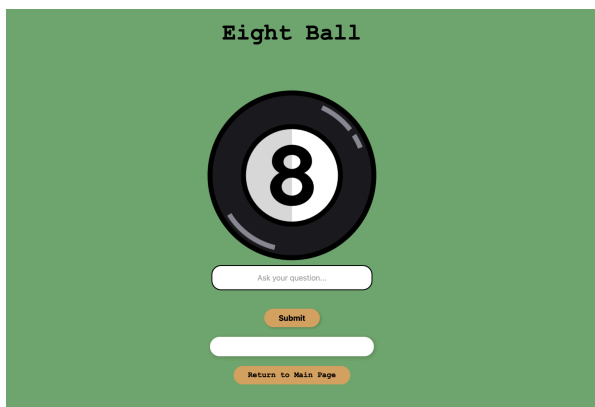- Shareability for user fortune journals

Functionality:

The website will have the option to create a new profile or log into an existing profile and see saved information. The home page lets the user navigate to each fortune method, previous fortunes, and see a personal horoscope. Users can get an eight ball response after asking a question. The fortune cookie method generates a random fortune from an array of random fortunes. The user can see personal horoscope information of the day with a free API. The user will be able to see a log of all their fortunes collected. There is also an option to view the world journal, showing the most recent fortune the users on the application.
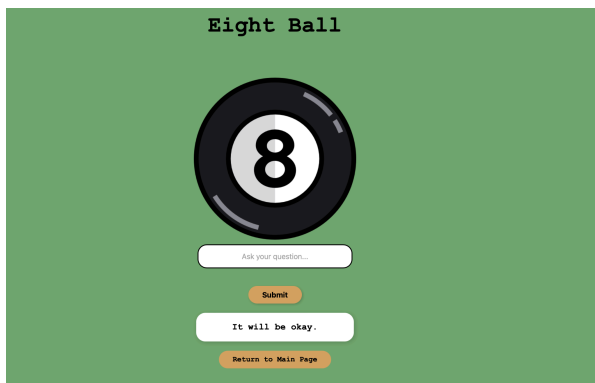
Front End:

Page	Description
  Welcome! Help Log In Create Profile 	Launch Page: The launch page will display the "Login" and "Create Profile" buttons, allowing the user to either create a profile for login with an existing account.
Create Profile Full Name Profile Name Email Birth year Birth month Birth day Create Profile	Create Profile: Form for the new user to input their information to create a profile.
Welcome Back Username Enter your username Name Enter your name Email Enter your email Login Return to Login Page	Login Page: A page for returning users to login and access their existing profile and fortunes.

Get a Fortune

Help

Magic 8 Ball Fortune Cookie Personal Horoscope Fortune Journal World Fortunes

Main Page: Displays all the available fortune telling options, magic eight ball, fortune cookie, personal horoscope, past fortunes journal, and world journal. Each represented with an icon that will navigate the user to that page.

Eight Ball

Ask your question...

Submit

Return to Main Page

Eight Ball

Ask your question...

Submit

It will be okay.

Return to Main Page

Eightball Page: A page where the user can type a question and receive a random eight ball response.

Fortune Cookie

Crack Open the Cookie

Return to Main Page

Fortune Cookie

Crack Open the Cookie

Good news is coming your way.

Return to Main Page

Fortune Cookie Page: Displays a random fortune from an array of responses we created. Once you click "Crack Open the Cookie" the image changes and you get a fortune.

Your Daily Horoscope

Loading horoscope data...
Please wait 5 seconds then reload

Return to Main Page

Horoscope Info Page: Displays a personalized daily horoscope information which is based on the user's birth year, month, and day. We used the following api: https://freeastrologyapi.com/api-reference/planets to display this information. Second picture is of when we had the page working with pulling the birthdate information from the db, making the api call, and displaying it to the page.

Daily Horoscope

Name: Saturn

Current Sign: 3

Full Degree: 71.89131119702793
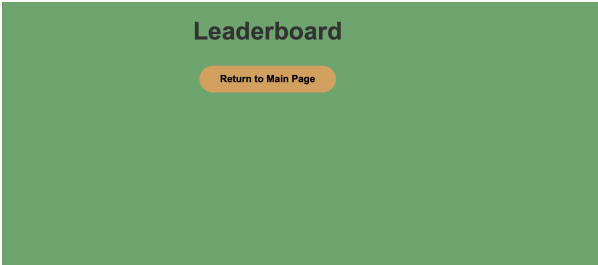
Retrograde: false

All Past Fortunes

Your special phrases

Return to Main Page

All Past Fortunes

Your special phrases

An exciting opportunity lies ahead.

You may rely on it

An exciting opportunity lies ahead.

Happiness is yours to take.

Good news is coming your way.
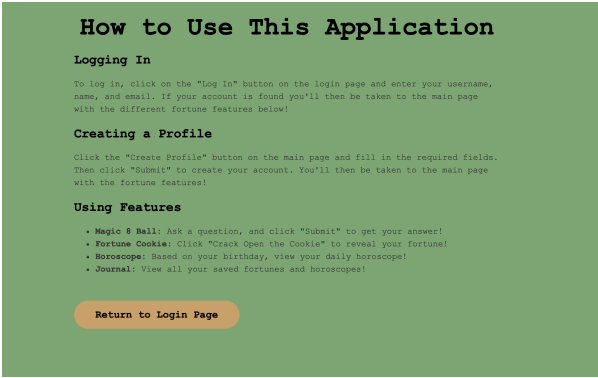
Return to Main Page
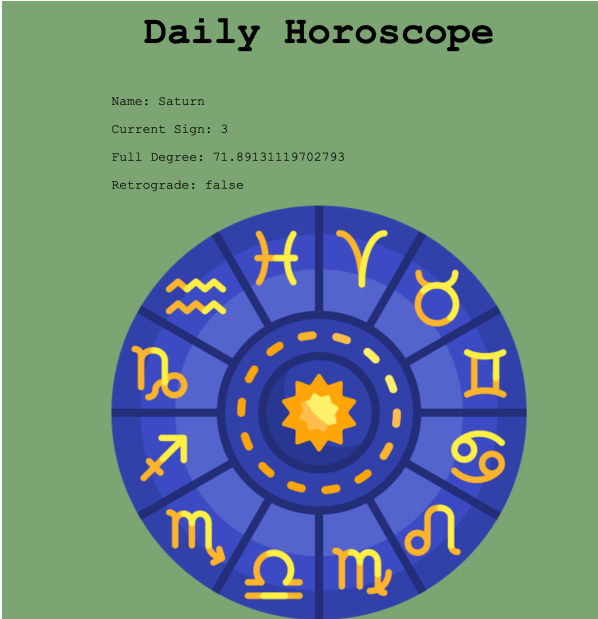
Stored Fortune Page: This page will display all the fortunes of the user collected across the different fortune tellings.

The second image is what it looked like for a logged in user.

Leaderboard

Return to Main Page

Leaderboard

Name: emily
Username: undefined
Latest Fortune: No fortune available
Name: Emily Ayala
Username: emi15
Latest Fortune: No fortune available
Name: Emily Ayala
Username: ebayala@arizona.edu
Latest Fortune: An exciting opportunity lies ahead.

Return to Main Page

World Fortunes: An interactive "leaderboard" displaying the Name, username, and latest fortune of other users on the application. Is supposed to look like the second picture.

How to Use This Application

Logging In

To log in, click on the "Log In" button on the login page and enter your username, name, and email. If your account is found you'll then be taken to the main page with the different fortune features below!

Creating a Profile

Click the "Create Profile" button on the main page and fill in the required fields. Then click "Submit" to create your account. You'll then be taken to the main page with the fortune features!

Using Features

- **Magic 8 Ball**: Ask a question, and click "Submit" to get your answer!
- **Fortune Cookie**: Click "Crack Open the Cookie" to reveal your fortune!
- **Horoscope**: Based on your birthday, view your daily horoscope!
- **Journal**: View all your saved fortunes and horoscopes!

Return to Login Page

Help Pages: A page where the new or existing user can view the instructions for help on how to proceed.

How to Use This Application

Using Features

• **Magic 8 Ball:** Ask a question, and click "Submit" to get your answer!
• **Fortune Cookie:** Click "Crack Open the Cookie" to reveal your fortune!
• **Horoscope:** Based on your birthday, view your daily horoscope!
• **Journal:** View all your saved fortunes and horoscopes!
• **World Journal:** View all users saved fortunes and horoscopes!

Return to Main Page

Backend:

Details on how we will implement the server & database: Use express to initiate server Use mongoose with MongoDB database Npms: express, mongoose	Server-side nodejs Will handle the user login/account creation Process API calls for the fortune types Store user info and fortunes Handle routes for front end functionality
Routes Supported by Server User/login authentication for new users Returning user logins Get for users fortune journals and profiles Gets for the fortune telling Posts for saving fortunes to user journals/profiles Get for user saved fortunes Paths like: user/fortune/eightball(for type of fortune)	Database Structure Will store registered users, where each user is saved with their login info, and a fortunes collection with path fortunes.

Reflection:

One of the things that went well was the front end development. In the beginning Emily used Canva to design what the pages would look like. This was extremely helpful as we then just had to design the pages to look like the pages in Canva, modifying them as we saw fit. In the beginning our communication also went well. We had divided up the work and decided how we were going to get everything done with the timeline. However, as we started to actually code, we had to take over some of the primary roles in order to be able to check the functionality of the database, causing a shift in the primary and secondary roles we originally had assigned. One of the things that didn't go as well was connecting the front end to the database. In the beginning we struggled to get the database up and running but luckily, one of our group members was successful and was able to set up the base of our database. With this we were able to make some progress but we still had some bumps along the way. With everyone committing to Github, we had some merge conflicts and bugs, causing some of the pages to stop working. With the extra day we were given, our group was able to go in and troubleshoot these errors, and get the functionality of the website working again.