Kyra Samuel
SDEV300
Lab 7

Home	Shop	News	Login

Our Universe

The Medusa Nebula
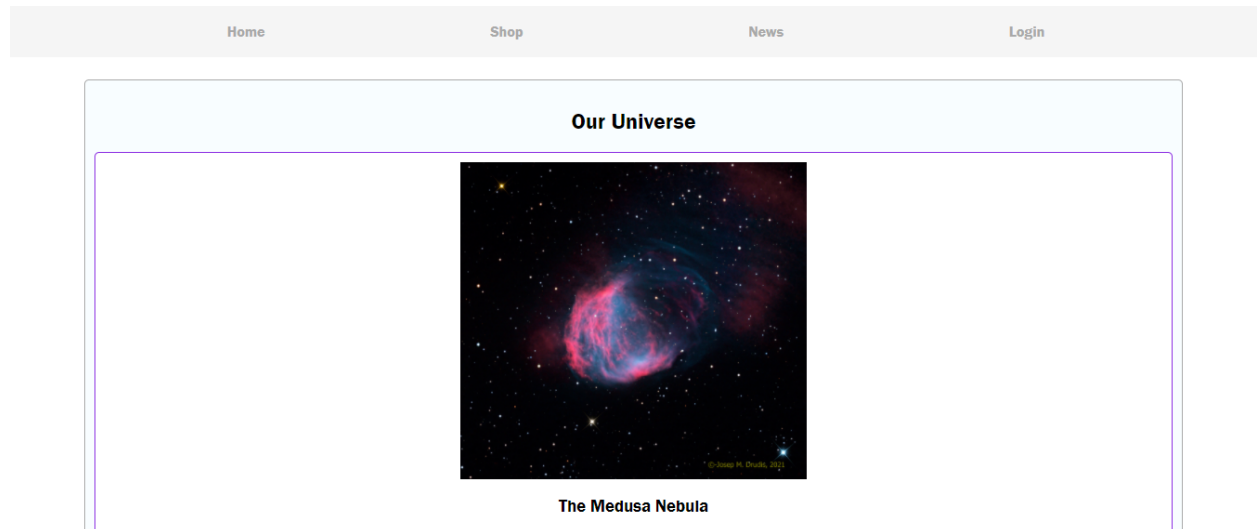
My Web Application

Registering Users

Using flask-sqlalchemy, flask-migrate, and flask-login to enable users to register and login to the web application. Users are unable to shop without being logged in and will get redirected. By selecting Login and going to the "/login" page, new users can click the link provided for registering. Users can also go to the "/register" page directly.

Welcome Back

Username

kyrasamuel

Password

•••••••••••••

Need an Account? Register

☐ Remember Me

Login

Login page displays "Need an Account? Register"

Create an Account

Username

[   ]

Password

[   ]

Confirm Password

[   ]

[Register]

On the "/register" page, users can choose a username and password to sign up. Passwords must be at least 12 characters, include a digit, mixed-case lettering, and include a character. Passwords that do not match these requirements will not be permitted and errors are shown to the user. For example, the password "password" will display all of these issues.

Username

[random_user   ]

Password

[   ]

[Field must be at least 12 characters long.]
[Password must contain at least 1 uppercase letter and 1 lowercase letter]
Confirm Password

[   ]

[Field must be at least 12 characters long.]

If we used a password like: "NewPassword0", an error is displayed for not using special characters. The same works with not using at least one digit in your password.

Create an Account

Username

random_user

Password

[Password must contain at least one special character]
Confirm Password

All passwords must match as well. If a user types "WifiPassword" in the Password input and "WifiPassword0" in the Confirm Password" input and error is displayed.

Create an Account

Username

random_user

Password

[Password must contain at least one special character]
Confirm Password

[Field must be equal to password.]

If the user registers with a username that has already been taken, an error is displayed.

Create an Account

Username

kyrasamuel

[Username is already in use.]
Password

Confirm Password

Register

If the user is able to create an account, a small alert flashes at the top of the page: "Account Successfully Created" and the user is redirected to the "/login" page.

Logging In Users

Welcome Back
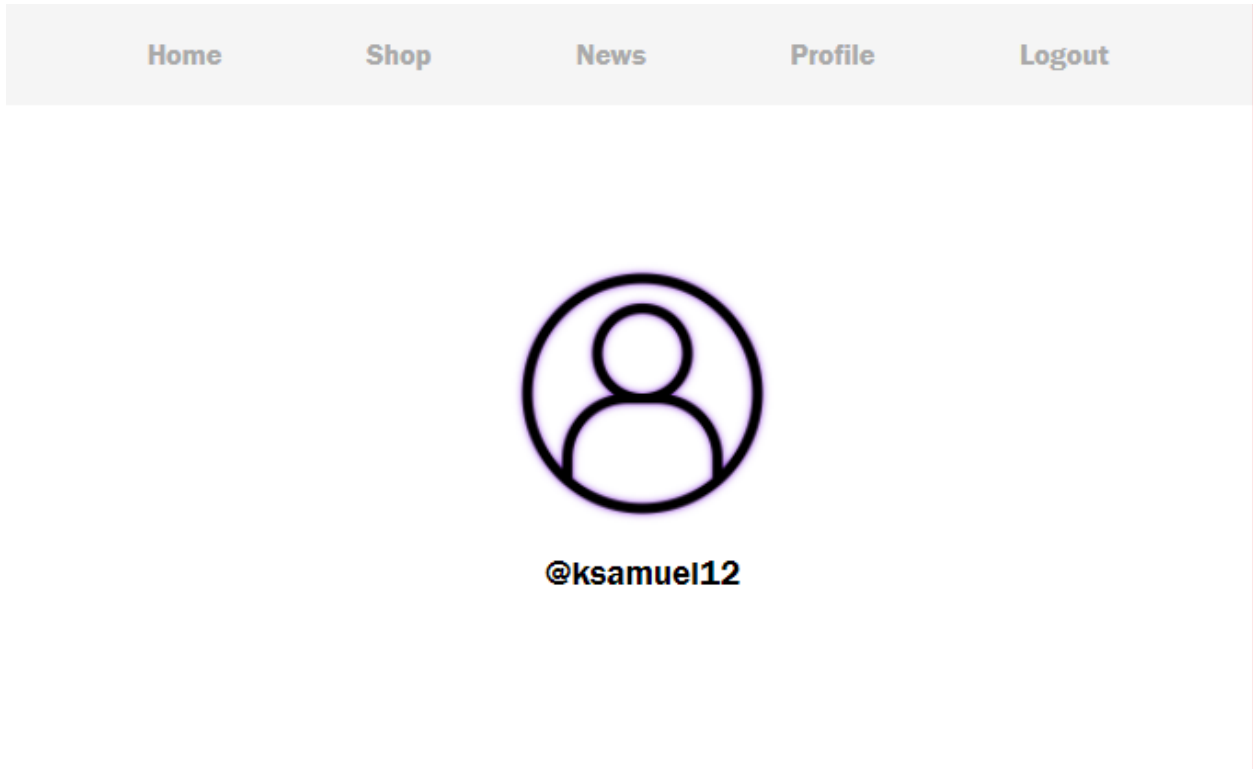
Username

ksamuel12

Password

••••••••••••

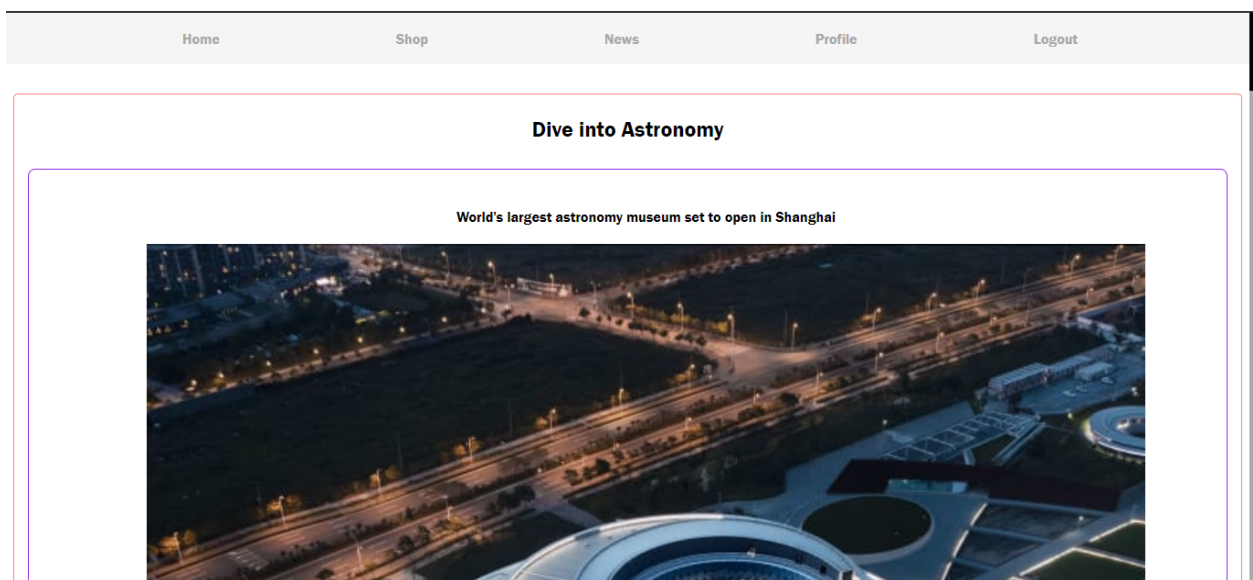Need an Account? Register

☐ Remember Me

| Login |

Users who have successfully registered can choose to be remembered and will be redirected to "/profile/<username>"

@ksamuel12

Also, the navigation bar has more options: Profile and Logout.

News Page

Contains Astronomy articles and an exoplanet table!

Dive into Astronomy

World's largest astronomy museum set to open in Shanghai

June 29, 2021

Comet Bernardinelli-Bernstein, which is between 100 and 200 km (62-124 miles) across, will make its closest approach to the Sun in 2031, according to an analysis of data from the Dark Energy Survey. It could be the largest member of the Oort Cloud ever detected, and it is the first comet on an incoming path to be detected so far away.

Comet Bernardinelli-Bernstein is named after two University of Pennsylvania astronomers, Pedro Bernardinelli and Professor Gary Bernstein, who spotted it in archival images from the Dark Energy Survey.

Also known as C/2014 UN271, the comet is estimated to be 100-200 km across, or about 10 times the diameter of most solar system comets.

Read article on official website here

Meet some of the exoplanets in the Universe

Planets that orbit around other stars are called exoplanets.

Exoplanet Name	Date Found	Distance
51 Pegasi b	October 6, 1995	50.91 light years
Kepler-452b	July 23, 2015	1,402 light years
TOI-700 d	January 3, 2020	101.4 light years
HD 209458 b	September 9, 1999	159 light years