CST 205 Design Doc

Instructions

1. Have one person from your group go to File => Make a Copy.
2. Share with members of team using the “Share” button.
3. Submit link on iLearn
4. Once everyone has access to the document, you can remove this instruction section.

What are we going to build?

What is the mission of your product? What is the purpose of your product? What is the need? What is your solution?	The purpose of our website is to show people images of the universe so that they can become more interested in space science.
Who is your target audience? Who will your users be? How will your product serve these people?	Our target audience is anyone who wants to learn about space and astronomy. Our product serves as an informational about space clusters and anything else NASA provides with the API Key
What are the design features? What kind of features will this product have to meet needs of the audience?	We plan on having: 1. Navigation bar for pages 2. A homepage with a button to pull the NASA data 3. A page to display the information
What is the user onboarding flow? What will the users see when they open your application? What are the steps that users will go through to use your product?	They will arrive at our landing page from their Once they click the the button they will be showed a random image using the nasa api With some filters applied .

Additional questions

1. Which Python libraries do you plan to use?

Flaks, Flask_bootstrap, prettyprinter, dotenv, PIL, io

2. APIs and How You'll Use Them: If you plan to use any APIs (like Twitter, etc.), list them here and describe how you'll use them.

We will be using the NASA API to gather information and we will parse that data and select what we want from it. We will then take the image and description and display it on an html result page, with the filtered images.

3. How will you break down the work? Who will work on what?

Jonathan: Scraping Data and Parsing
Rodrigo: HTML
Elijah: Image Filtering

4. What are the milestones for the project?

Parsing the Json Data from NASA API
Developing RNG for images on html and linking data to html
Image filtering of NASA image links.

5. What will the most challenging part be? What do you expect to be the hardest part, and how will you approach it?

The most challenging part will be displaying the images after processing the images.