

# PROJECT 1

Team Name: M.U.R.F.

- We created this name from the initials of our first names.

## Team Members

- **Ugonna Nwaka**
  - My name is Ugonna Nwaka, and I am a sophomore computer science major at Fisk University. I was born and raised in Abuja, Nigeria, and I was a medical student for about 4 years. I have a fair amount of experience in software development, having worked on two full-stack web projects and one mobile app project. I am proficient in Python, Java and Typescript, moderately proficient in Javascript, and I know a bit of C and OCaml. During my previous internship, I got experience in building a machine learning model for crack detection in nuclear reactors and superheaters using Python and python libraries, as well as research in cyber-physical power systems security. Other technologies I have experience using are React, Node.js, Express, MongoDB, and TypeScript.
  - I love learning new concepts that would be beneficial to me or my career as much as I love teaching them. For this reason, I have been a 3-time Teaching Assistant for the introductory computer science classes in my school.
  - Outside of work, I enjoy watching movies, playing football and video games, and relaxing by the pool as I cannot swim. In this software engineering class, I hope to deepen my understanding of software development methodologies, best practices in design and architecture, and the software development lifecycle. I am particularly interested in the stages of software development at Google, and I look forward to applying my knowledge while gaining new insights into professional software engineering practices.



- **Favour Tioluwanimi Mark**
  - My name is Favour, and I am a sophomore **Computer Science major** at **Fisk University**. I am an international student from **Nigeria**, and my interest in Computer Science developed when I was preparing to attend Fisk. Since then, I have truly enjoyed exploring the field, learning new concepts, and expanding my technical skills.
  - I have experience with **Python and Java**, and I am currently learning **C** to strengthen my understanding of lower-level programming. One of my most exciting projects so far has been implementing a **Blackjack game**, where I applied object-oriented programming principles to create a functional and interactive experience. Through this project, I improved my problem-solving skills and gained a deeper understanding of game logic, user interaction, and debugging.
  - Beyond coursework, I have also taken steps to improve my technical and professional skills. I participated in the **CodePath Technical Interview Prep** program, which provided me with hands-on experience in solving coding challenges, optimizing algorithms, and preparing for real-world technical interviews. This experience helped me develop a stronger foundation in data structures and algorithms, as well as the ability to approach complex problems with a strategic mindset.
  - As I continue my journey in Computer Science, my goal is to keep refining my skills, gaining practical experience, and preparing for a career in the **tech industry**, where I can contribute innovative solutions and make a lasting impact.



- Rachel Munoz



- I'm a sophomore at the University of Texas at El Paso majoring in Computer Science and minoring in Mathematics. I was born in El Paso, Texas but I grew up and studied up until middle school in Juarez, Chihuahua, Mexico. My first language is actually Spanish, but I'm fully fluent in both English and Spanish. I am 20 years old, and I decided to pursue CS because I've always been interested and passionate about technology and figuring out what problems we can solve

with it. I've always been passionate about natural sciences my second career choice was astrophysics and when I was little I wanted to be a marine biologist, but ultimately CS was always my first choice. Some of my hobbies are playing tennis, reading, painting landscapes with gouache, drawing, and knitting. I am proficient in Python and Java and am currently learning C. I am also familiar with platforms like Angular, Unity, and Firebase. At my university, I am a member of multiple student organizations like Girls Who Code, Google Developer Student Club, and the Coding Interview Club. All of those student clubs have helped me gain confidence in my technical skills and have helped me have a sense of community at UTEP. I'm interested in pursuing a career in software development or data analysis.

- **Maddie Bonton**



- I'm a sophomore Computer Science & Math major at Fisk University from Baton Rouge, LA. My favorite home foods are gumbo, crawfish etouffee, and shrimp po-boys and my favorite holiday is Mardi Gras. I started taking coding classes with the Futures Fund program when I was 11 with my first language being Ruby on Rails. I then started building websites with HTML, CSS, and JS but then eventually started making websites and apps for real clients with a team of peers who were also in the program. One notable project we did in this program is a digital farmers market app that aimed to increase fresh food access to those in North Baton Rouge who lived in food deserts. I then came to Fisk and worked on a website for a nonprofit called Community ALERT. While matriculating through Fisk University, I learned Python, Java, and C and have worked on various projects through my CS classes. I did research on predictive analysis of drug shortages at the University of Illinois at Urbana-Champaign in the C3.ai Digital Transformation Institute. I used Python and Pandas to analyze data inputs such as raw drug import data. I also have some experience in previous projects with React, Swift, and Node.js.

## Team Expectations and Agreements

#	Question	Team Agreement
1	What are our team goals for this project and the class?	Delivering a good quality project and learning as much as we can not just from the course content but also from the teamwork experience.
2	What are each of our strengths? (note: include any strengths, not just technical CS knowledge)	Maddie: detail-oriented, observant Rachel: Creative, flexible, Ugonna: Teamplayer, Favour: Good communication skills, Goal oriented, Determined, Able to work in a team
3	How will we communicate with each other?	Through a Gmail group chat and Discord.
4	How quickly should we expect to hear back from each other?	Within 24hr
5	What day/time in the week will we meet every week?	Thursdays at 12:30pm CST
6	What are our rules for our weekly meetings?	Showing up on time, and communicating often.
7	How will we run the meetings?	<ul style="list-style-type: none"> <li>-</li> <li>- Going over what we need to do during the meeting.</li> <li>- Communicating our progress.</li> <li>- Assigning tasks.</li> <li>- Making sure we're communicating project goals.</li> </ul>
8	What should we each prepare before each weekly meeting?	Knowing the topics we'll discuss, and having some progress done.
9	When we get a group assignment, how will we divide the work? What if there is an unequal load of work in an assignment? How will we rotate roles through the class (eg. <i>team leader, notetaker, who submits the assignment, etc</i> )?	<ul style="list-style-type: none"> <li>- Assessing everyone's strengths and making sure we divide the workload equally.</li> <li>- Taking turns being "the driver".</li> <li>- Using the notetaking feature.</li> </ul>
10	What will we do if a member cannot	<ul style="list-style-type: none"> <li>- Rescheduling and reassigning workload.</li> </ul>

	work for a specified period of time due to an unforeseen circumstance? How will the team react? How will the team get the work done?	- If someone can't attend a meeting, make sure that person lets everyone know ahead of time.
11	How do we collectively decide when to submit group assignments?	Setting deadlines for ourselves.
12	What are our group's rules about using genAI? <i>Remember that each teammate is responsible for their own work, whether genAI is used or not.</i>	Each team member is responsible for citing any genAI code they include in the group project.
13	What happens if one of us breaks the rules in this agreement?	Communicate about what happened and remind ourselves of the rules.

### Team Signatures:

Rachel Paola Munoz

Madeline Bonton

Ugonna Nwaka

Favour Tioluwanimi Mark