

All Ground Up

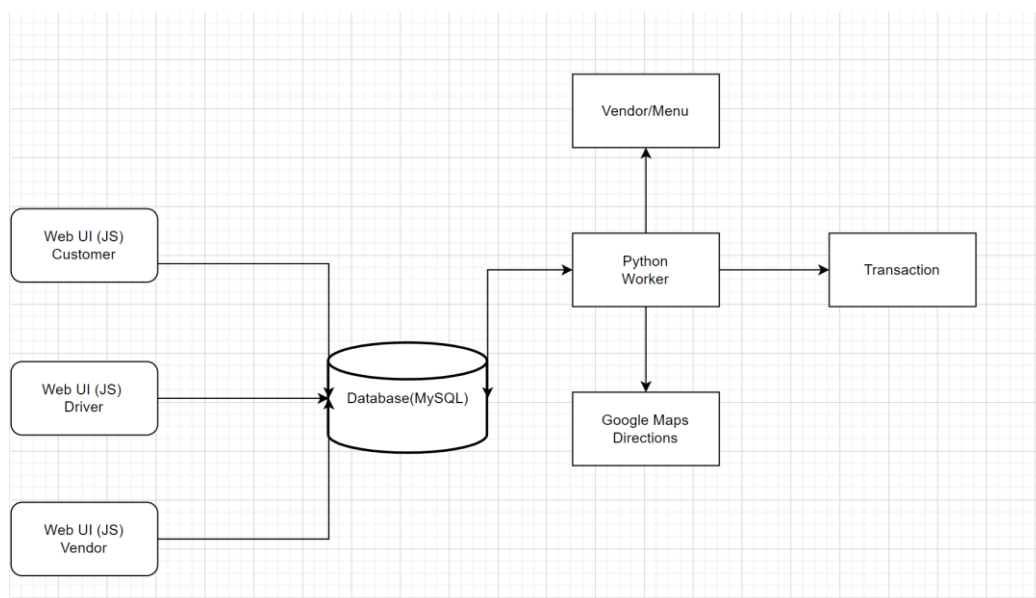
Group 7

Mateen Ali, Jessica Arriaga, Jett Canavarro, Steven Coffey

Chapter 1: All Ground Up Vision

All Ground Up is a cloud-based web application for users to order from their favorite local coffee shops. All Ground Up will have three different platforms for consumers, vendors, and drivers. The consumer platform will allow users to order from their local coffee shops with ease. The vendor platform will allow local coffee shops the opportunity to post their menu, work closely with the drivers, and offer deals. The driver platform will allow drivers the opportunity to optimize their routes and deliver efficiently. All Ground Up will be based in a web UI that hosts the three different platforms.

Project Design



Chapter 2: All Ground Up Implementation Proposal

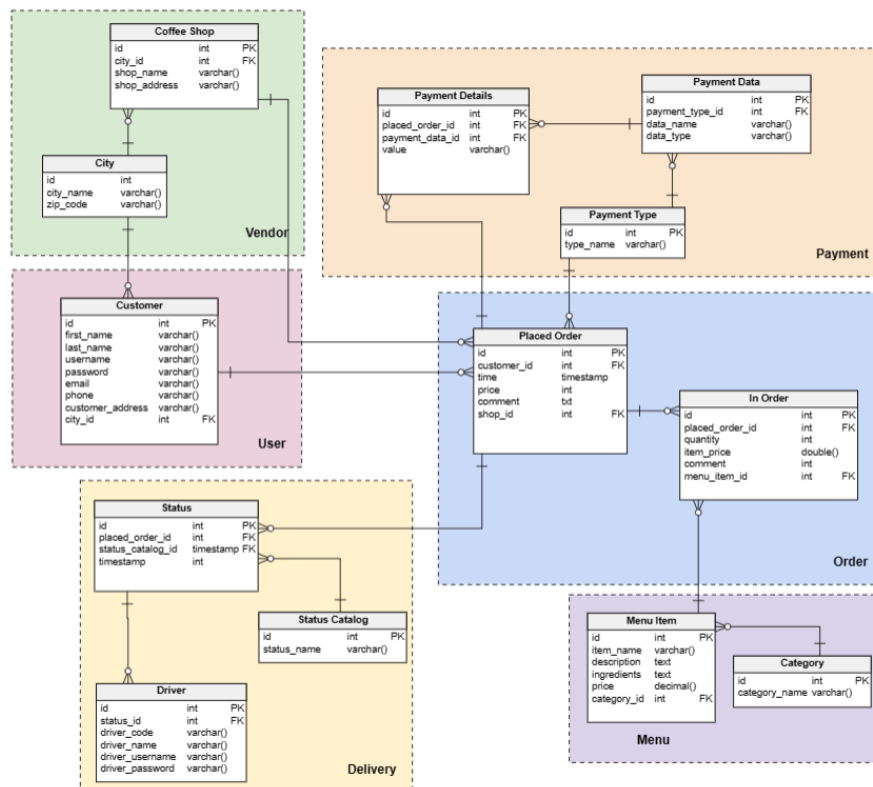
To create All Ground Up, our group will need to implement a Container System to control the various parts of our cloud-based system. We chose to use Kubernetes to orchestrate the management of our application and assist All Ground Up remain stable with the use of pods. If one pod goes down, there will be another to take its place with the use of a Replica set.

For All Ground Up, we will need to create a web interface for customers, drivers, and vendors to interact with in their own unique way. We chose to create the front-end web UI with Bootstrap. Bootstrap is a development framework used for the creation of web applications.

Our group will use Python to obtain business menus, pull directions from Google Maps, post grand totals, call transaction software, and update our database. The Python worker will keep watch on the databases so it can update the data tables on the back end.

The Database we chose to use is MySQL and it will keep track of each user, transaction, menu, etc. This will allow the web UI and worker to easily query and to post to the database. The database design is crucial to helping the web application run smoothly. The chart below shows the different database tables and how they will interact with each other.

Database Design



Jessica Arriaga

(732)-853-6031 | www.linkedin.com/in/jessicaarriaga | JA958931@wcupa.edu | South Brunswick, NJ

Education

West Chester University of Pennsylvania, West Chester, PA
West Chester University Honors College, Class XXII

Bachelor of Science in Computer Science
Minors - Communication Studies, Criminal Justice, Spanish

Cumulative GPA: 4.0
Anticipated Graduation: May 2024

Experience

- | | |
|--|-------------|
| Intern at Essentia Advisory Partners | Summer 2022 |
| <ul style="list-style-type: none">• Worked with a lead developer to learn about projects assigned to different teams• Worked side by side with another intern to complete various coding projects• Developed introductory slide decks about commodities like Natural Gas and Power | |
| Intern at Essentia Advisory Partners | Summer 2021 |
| <ul style="list-style-type: none">• Completed research on different applications that the company utilizes• Created initial training material for these applications• Worked with developers to learn more about tools and services utilized | |

Involvement

- | | |
|---|-------------------------|
| Women in Computer Science Club | |
| Secretary | Fall 2021 – Spring 2022 |
| Vice President | Spring 2022 – current |
| Activity Clubs | |
| Art Club, Honors Student Association, Spanish Club, Stitched Together | |
| Sigma Delta Pi | Spring 2022 – current |
| Spanish Honors Society | |
| Institute for Cultural Competence & Inclusive Excellence – West Chester University | |
| Working towards certification through training and education workshops in the areas of diversity, equity, and inclusion | |
| Python Bootcamp | March 2021 |
| Women in Computer Science Club sponsored workshop; led by a professor within the Computer Science Department; learned foundational concepts of the programming language, Python | |

Skills

Programming Languages: Java, Python, C
Relevant Courses: Data Structures and Algorithms, Software Security, Computer Systems,

Intro to Cloud Computing

Jett Alexander Canavarro

Contact Info:

Email: jettcanavarro@gmail.com

Phone: (610) 420-3532

EDUCATION:

- West Chester University of Pennsylvania
 - Bachelor's of Science in Computer Science, Fall 2023
 - Master's of Science in Computer Science, Fall (accelerated program) 2024
- Delaware County Community College
 - Associate's Degree in Computer Science, December 2021

SKILLS:

- Adept knowledge of troubleshooting software and hardware issues
- Well-versed with JAVA, as well as Intermediate knowledge of C++ and Python
- Working on AWS knowledge & certifications.
- Capable knowledge of Mathematics, including Algebra, Calculus, & Differential Equations
- Proficient in Microsoft office applications (Word, Excel, PowerPoint, Outlook, etc.)
- Friendly and inclusive attitude & exceptional interpersonal skills, with great attention to detail
- Fast and decisive learner, which allows me to perform tasks autonomously

WORK EXPERIENCE:

- Wawa Inc. - Lead Customer Service Associate - 10/2018 to Present - West Chester
- Trained to work in all areas of the store including deli, coffee station, making beverages, point of sales, facilities, fuel court, and receiving & stocking orders
- Put in the role of talking to customers, training new employees, and taking on solo tasks, to ensure the store operates smoothly

Mateen Ali

mateenali9001@gmail.com | (267) 575-9261

EDUCATION: West Chester University of Pennsylvania

Bachelor of Science in Computer Science

Expected graduation date: Summer 2023

Delaware County Community College

Associate of Science in Computer Science

Graduated 2022

CODING SKILLS:

- Intermediate Java
- Intermediate C
- Intermediate Python
- HTML/CSS/JavaScript

TECHNICAL SKILLS:

- GitHub
- Linux
- MySQL
- MS-Office

PROFESSIONAL EXPERIENCE:

Samsung

Position: Samsung Experience Consultant (SEC), August 2021- Present

- Help troubleshoot Samsung devices and fix any issues.

- Train employees and familiarize them with Samsung products.
- Introduce customers to the newest Samsung devices and their features.

Delaware County Community College

Position: Art Studios Assistant, Mar 2019 – Mar 2020

- Sorted and managed the products required by the students and instructors.
- Helped the students with certain uncomfortable products at the studios.
- Developed and executed plans to monitor standard process adherence.

Delaware County Community College

Position: Java Student Tutor, Aug 2018 – Mar2019

- Tutored struggling students individually and in small groups to reinforce java programming concepts.
- Created lesson materials, visual and digital presentations to supplement lesson plans.
- Used specialized teaching techniques to teach beginning java material in an understanding way.

Steven Coffey

(484)-653-9804 | sc986055@wcupa.edu | West Chester, Pa

Education

West Chester University of Pennsylvania

Bachelor of Science, Computer Science

Certification: Software Security

Concentration: Software Engineering

GPA: 3.5

Expected Graduation: May 2023

Delaware County Community College

Associate of Science, Department of Computer Science

GPA: 3.3, National Technical Honors Society, Dean's List

Graduated: May 2021

Delaware County Community College

Mobile Web Programming Certification

GPA: 3.4, National Technical Honors Society, Dean's List

Graduated: December 2020

Technical Skills

- Proficient in Java, Python, C/C++, SQL, HTML/CSS, JavaScript/jQuery/Json, Linux
- Experience with the agile and scrum ideologies
- Database management
- SOLID Software design

Experience

Waresoft Solutions Inc, Royersford, PA

July 2022-Present

Solutions Delivery Associate

- Utilized the Spring framework to develop a website for Pfizer with multiple teams.
- Maintained updates to webpages using Java, SQL, and various front-end languages.
- Created webpage designs, flowcharts and layouts using Visio.
- Worked closely with the Solutions Architect to Design website functionality and logic.
- Troubleshooting webpage errors and broken code.

Charlestown Landscaping, Malvern, PA

June 2018-October 2021

Operations Manager

- Developing team members and procedures as well as coordinating crews.
- In charge of scheduling, customer relations, and customer price quotes.
- Logging employee hours, maintaining equipment, and customer conflict resolution.
- Operating heavy machinery to design landscapes to customer specifications.

Teachers That Cut, West Chester, PA

March 2018 - June 2018

Landscape Foreman

- Supervisor that handled training and coordinating coworkers to company standards.
- Collecting invoices from customers and quoting additional work to customer specifications.

Dana Bellafiore Landscaping, West Chester, PA

March 2015 - November 2017

Landscape Foreman

- Site Manager responsible for installing landscape lighting, walkways and maintaining customers' properties.
- Being the point of contact to customers and providing quotes for future work.

CTDI, West Chester, PA

September 2014-April 2015

Warehouse Associate/ Product Development

- Developed new testing procedures with software engineers to create machines for telecommunication companies.
- CTDI employee responsible for loading software onto telecommunication devices to ensure newly developed testing devices worked accordingly.