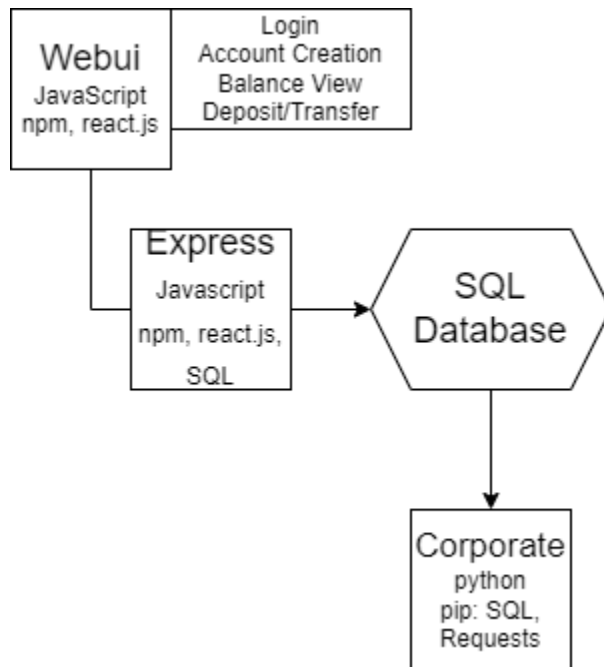


Chapter 1:



Chapter 2

We plan on creating a banking system using the cloud. It will be front-end heavy with multiple WebUI pages created using Javascript. These pages include a login page, an account creation page, a page to view the accounts balance, and a page to deposit/withdraw/transfer money.

These pages will be connected to a SQL database where all the information is stored. On the WebUI, there will be an option to access an existing account or create a new one. If a user accesses an existing account, then only the SQL database will be accessed. If the user creates a new account, then the SQL database will be checked for an existing user by the same login info. If there is not a user with the same credentials, then it gets pushed to the corporate component where the information they input on the WebUI page is used to create a new account.

Some of the issues we will have to deal with are deciding when the changes in account balances will process. For example, if a user initiates a transfer, will we process it immediately, or wait until end-of-day, allowing them to deposit more if their account doesn't currently have enough in it. We could face this by creating a queue of transactions that build up throughout the day, and then at a certain point, for example midnight or at bank closing, they all process at once. Or we could process them as they occur, limiting all transactions to what users current balance is.

Austin Heard

Aspiring Software Programmer
1305 Rolling Glen Drive, Apt B | Boothwyn, PA

[linkedin.com/in/austin-heard/](https://www.linkedin.com/in/austin-heard/) | (484) 634-2523 | AustinHeard.com | austinheard55@gmail.com

Education

West Chester University of Pennsylvania, West Chester, PA

Bachelor of Science in Computer Science, 09/2019 – 05/2022

- GPA: 3.5 Dean's List
- Course Highlights: Computer Science 1 – 3, Discrete Math, Calculus 1 – 2, Applied Stats, Data Structures & Algorithms, Computer Security & Ethics, Data Base Management, Software Engineering, User Interfaces with React, Software Security, Big Data Engineering, Networking

Northampton Community College, Bethlehem, PA

Associates in Arts in Business Administration, 09/2017 – 05/2019

- Course Highlights: Financial Accounting, Managerial Accounting, Micro/Macro Economics, Business Writing

Skills Summary

- | | | |
|-------------------------|------------|------------|
| • Java | • Linux | • Matlab/R |
| • Javascript/Typescript | • C/C++/C# | • Node.js |
| • Python | • SQL | • Express |
| • Git | • HTML/CSS | • React |

Professional Experience

Sales Associate

Specialty Tile, Flanders, NJ, 05/2015 – 09/2019

- Spearheaded the implementation of digital price labeling, which cut time to revenue by 30%
- Organized warehouse and customer-facing spaces to increase productivity and conversion rate
- Engaged with customers to evaluate their needs to ensure satisfaction
- Developed B2B relationships with Contractors, Wholesalers, and other Strategic Partners
- Trained other sales associates in many facets such as Procurement, Sales, Machinery operation, Accounting, Inventory management, and Technical knowledge.

Projects

FPGA Programming

- Encoded H.264 video in real-time using an AWS EC2 F1 instance
- Plan to find security flaws in the system

Sort Algorithm Visualization

- Visualized various sorting algorithms using processing

React Webpages

- Conditional rendering based on various inputs such as text boxes/buttons
- Developed applications in both Javascript and Typescript

Portfolio/Resume Website

- Hosted with GitHub pages
- Built with Jekyll

Extracurricular Activities

Computer Science Club

Member 2020 - present

Investment Group

Sector Head 2019 - 2020

- Proposed pitches to persuade the club to buy/sell thousands of dollars of stocks
- Collaborated with other Sector Heads and Club Executives to ensure the future prosperity of the club

YOUSSEF KROMAH

30 High Street, Sharon Hill PA 19079

[linkedin.com/in/youssef-kromah-201116118/](https://www.linkedin.com/in/youssef-kromah-201116118/) | youssef991@gmail.com | (215) 820-9028

EDUCATION:

West Chester University of Pennsylvania, West Chester, PA

Bachelor of Science in Computer Science

Relevant Courses: Software Engineering, Computer Organization, Computer Security, and Introduction to Discrete Mathematics, Database management system, Intro to Data Science using Python, NumPy, and Pandas libraries.

Delaware County Community College Media, PA

Associate Degree in Computer Science

Relevant Courses: Data Structure and Algorithm, Introduction to Java, Object-Oriented Programming in Java, Introduction to C++, Intermediate C++, Calculus 1 and 2.

EXPERIENCE:

Application Specialist

Signant health

12/2020 – 06/2021

- Work closely with Project Managers, Solution Architects, the Client, other Application Specialists, and everyone else involved in ensuring the Client's clinical study meets their specifications along with following clinical standards.
- Use Java, SQL, JIRA Agile SDLC, and proprietary software to create/update functional applications specified for the project for various dedicated Android devices, Tablet devices, and the Web.

Application Developer (Data Analyst)

CHUBB

06/2019 – 07/2020

- Assist in analyzing, troubleshooting, providing technical support to claim teams using claim management applications across the company
- Create daily, weekly, and monthly reports for business users using SQL Query and excel
- Develop special, complex ad-hoc queries to extract data from multiple databases to create special reports for business users using Transact-SQL

Application Developer Intern

USLI

05/2017 – 05/2019

- Develop, maintain, upgrade, and debug applications used across the company according to user specifications using Microsoft.Net framework, MVC, C#, HTML, CSS, and SQL languages.
- Use the Agile (Scrum) software development methodology in conjunction with Team Foundation Server.
- Document applications used across the company.
- Communicate weekly status updates to leaders and coaches about project progress.
- Earned USLI leadership degree

Ben Ejimonyeugwo

West Chester, PA 19383

267-530-2731

Education

West Chester University of Pennsylvania, West Chester, PA

Bachelor of Science in Computer Science

Courses Taken: Software Engineering, Computer Organization, Computer Security, and Introduction to Discrete Mathematics, Digital Image processing, Data structures and Algorithms.

Skills

- Java
- Javascript
- Python
- Linux

Experience

12/16- 6/18

NaBrasa, Horsham - *Waiter*

7/18-7/20

Owner of B&M Landscaping

- Organized hours for workers to arrive
- Constructed daily tasks for employees
- Ensure job is complete

8/20-2/22

Intern at ICE ENT, Maryland

- Interned the owner of ICE ENT.
- Learned how to make contracts for potential clients
- Learned law aspect of a business

Accomplishments

- 3.5 GPA
- Dean's List

David Dempsey
West Chester, Pa 19382
610-400-4629

Email: DDemps14@gmail.com | www.linkedin.com/in/davidcdempsey

Education:

West Chester University 2018-2022

West Chester, PA

Class of 2022 (Currently enrolled)

Pursuing:

- B.S. in Computer Science & Cybersecurity Certificate
 - Relevant classes: Data Structures & Algorithms, Computer Security, Malware Analysis, Computer Security & Ethics, Database Management, User Interfaces, Software Security, Software Engineering, Big Data Engineering, Datacom & Networking, Introduction to Cloud
- Minor in Astronomy
 - Relevant Classes: Geology of the Solar System, Remote Sensing, Galaxies and Cosmology

GPA: 3.220

Accomplishments:

- Eagle Scout
- Dean's List, West Chester University of Pennsylvania (Spring 2020)

Work Experience:

Position: Intern (2018-Present)

Digital Media Center, Information Services & Technology Department, West Chester University, West Chester, PA

Duties included but not limited to:

- Kept physical files and digitized records organized for easy updating and retrieval by authorized team members.
- Organized company files and created a support system to decrease workload and increase productivity of managers.
- Sorted and organized materials such as physical files, tracking spreadsheets and reports.
- Answered incoming telephone calls, took down messages and relayed information.
- Used Adobe Premier to edit footage into correct order and add effects.
- Set up for shots according to production schedules, weather and lighting conditions and available equipment, as well as recording said shots
- Headed Hardware and Software installations and troubleshooting on department technology

Position: Customer Service Associate (2020)

Wawa, West Chester, PA

Duties included but not limited to:

- Handled customer service, including questions and problems
- Prepared orders, both food, and drink, usually multiple at once, within a strict time limit
- Used time without customers to clean and organize work station and rest of store

Skills:

- | | |
|--------------|-----------------------|
| • Java | • Linux |
| • Javascript | • C/C++ |
| • SQL | • Network Management |
| • HTML/CSS | • Database Management |