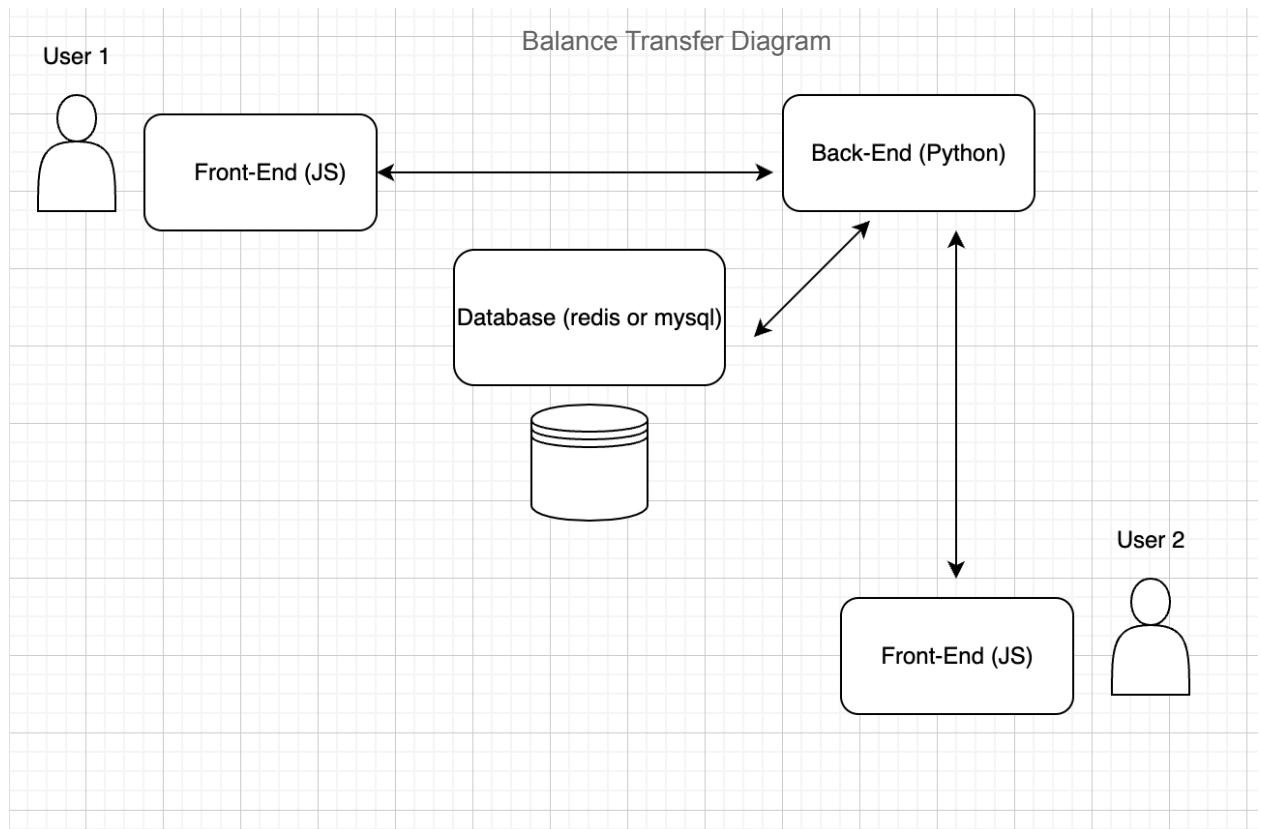# Group 3's Balance Transfer Web Application

Declan Teofilak, Meredith Urban, Shomari Turner, Collyn Gregory, Patrick Ryan

CSC 468-01 Introduction To Cloud Computing

Professor Ngo

Balance Transfer Diagram

Project Summary

Our team is proposing to make a currency trading website, that allows user to log into an account, view previous transactions, their account balance, and send money to other registered users. We will create a front-end that utilizes Javascript, HTML, and CSS to provide a simple but intuitive user facing experience. Initial research makes it seem that MySQL is likely our best bet for the database portion of the project. The database will have three tables, "Transactions", "Users", and "Currency Rates". When the user logs into the site, the will be a listing with their current account balance, and a customizable amount of recent transactions displayed. Beyond that, a menu icon to change their password and view a separate detailed transactions page will be available. The interface for performing that transaction will again aim for being purely functional, with a simple text box to choose the user, and a text box to choose the amount to send. Features that could be added would be things in the vein of seeing user statistics, "friending" certain users for quicker transactions, and visualizing market trends for the currency the user has. The back end code will likely all be written in Python. Most of us have at least familiarity with it, if not a lot of exposure, and it works well with MySQL. Additionally, Python is one of the easiest languages to get a code up-an-running, making it a great choice for prototyping. The back end will consist of the events which will be triggered by the front end/Javascript. The end result will aim to simulate popular applications such as Zelle or CashApp, but in a more straightforward manner. Something that may be beyond the scope of

the project would be proper password security, location data, and live updates (where a simple post back from the page wouldn't suffice).

The front end, which as noted above will consist of HTML/CSS and Javascript for functionality, will aim to be minimal in design. With an application that aims to do one thing, and do it well, it will be important to maintain a simple and clean aesthetic that directs the user to complete their tasks without cluttering the main page with bloated information.

DECLAN TEOFILAK

PROFILE

Address
Media, PA

Phone Number
(xxx) xxx-xxxx

Website
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Email Address
dt946386@wcupa.edu

LinkedIn
Declan Teofilak

AWARDS

**West Chester University
Science and Mathematics
Dean's List**
West Chester University
May 2021

**Phi Theta Kappa
Honors Society**
Phi Theta Kappa
April 2019

PROGRAMMING LANGUAGES

C#
Very Fluent

Java
Very Fluent

Python
Competent

C
Learning

JavaScript
Learning

SKILLS

Team Management
Intermediate

Scalable Problem Solving
Intermediate

Creative Thinking
Expert

Teambuilding & Training
Novice

INTERESTS

Automotive Technologies

Video Games and Interactive Entertainment

Photography

Wildlife and Nature Preservation

OBJECTIVE

Highly motivated new graduate with experience in retail sales, team leadership, and software engineering. I am looking for a fulfilling, challenging, and engaging job that allows me to utilize my solution engineering abilities to optimize results and create growth for myself and my company.

WORK EXPERIENCE

Endevor LLC
Software Developer / Data Analyst
(May 2020 - Present)

- Front-End and Back-End development using the Microsoft stack
- Large and small scale web application development
- Crafted solutions in multiple sectors of Endevor's expansive application suite
- Engineered web-based software from the idea and inception phase all the way through to the deployment phase

Benjamin Lovell Shoes
Sales Associate (Key Holder)
(December 2018 - May 2020)

- Worked directly with clients to find them their best fitting footwear
- Excelled in product knowledge and client retainment
- Lead a fast-paced, high energy sales floor
- Opened and closed the store, managed the sales desk, and helped during events

EDUCATION

West Chester University of Pennsylvania
Bachelors Computer Science
3.79 GPA

Delaware County Community College
Associates Computer Science
3.4 GPA

Phi Theta Kappa Honor's Society Graduate

PROJECTS

Calculators
https://github.com/Declan-Teofilak/calculators

Calculator applications of varying levels of complexity, written in Java during my second year of college

Tic-Tac-Toe
https://github.com/Declan-Teofilak/tictactoe

Tic-Tac-Toe game written in Java using Swing

REFERENCES

Bruce Kershaw
Sales Lead (J. Lorber)
bkershaw@jlorber.com

Dave Cassamassa
Hiring Manager (Benjamin Lovell Shoes)
dave@soleprovisions.com

Ken Guilles
Store Manager (Clarks)

Shomari Turner

Consideration in Technical Support Engineer

Lansdale, PA 19446
(XXX) XXX-XXXX
turnershomari98@gmail.com

EXPERIENCE

Planet Fitness - 758 Allentown Rd, Lansdale, PA 19446

Front Desk Associate

May 2021 - Present

Responsible for providing a premium level of customer service, custodial duties, and greeting members .

Venture 3 Systems (dba: Telikin) - 2805 Sterling Dr, Hatfield, Pennsylvania 19440

Technical Support Associate

August 2020-February 2021

Responsibilities included enriching and improving the lives of customers by providing them phone-based support of Telling/Wow Computer, while also helping them learn how to use Web-based applications.

Montgomery County Community College, 340 DeKalb Pike, Blue Bell, PA — *Service Clerk*

February 2019 - December 2020

Responsible for providing clerical, data entry, and other tasks assigned for the Registrar Office.

Montgomery County Community College, 340 DeKalb Pike, Blue Bell, PA — *Student Ambassador*

November 2018 - December 2020

Volunteers, orchestrate, and lead students to events or resources on campus.

SKILLS

Responsible

Exceptional Customer Service

Remarkable Teamwork

Organized

AWARDS

Certificate of Achievement: Student Leadership Symposium -Received in February 2019

Certificate of Completion: Student Services Training Program -Received in May 2019

North Penn High School, 340 S Valley Forge Rd, Lansdale, PA— *High School Diploma*

June 2016

Montgomery County Community College, 340 DeKalb Pike, Blue Bell, PA — *Certificate in Cyber Security*

May 2020

Description- provides graduates a solid foundation in data communications, router configuration, server operating systems, computer hardware and network security

Montgomery County Community College, 340 DeKalb Pike, Blue Bell, PA — *A.A.S in Computer Networking: CYBER SECURITY CONCENTRATION*

December 2020

Description- Prepares graduates with knowledge and skills in computer and network security, ethical hacking, computer forensics, data networking, and computer hardware and support.

Meredith Urban

meredithu915@gmail.com | (717) 639 6075

Education

West Chester University (Ant. Fall 2022) B.S. Computer Science, Minor in Applied
Statistics *Current Cumulative GPA: 3.845*
Dean's List: Fall 2019, Spring 2020, Fall 2020, Spring 2021, Fall 2021
Upsilon Pi Epsilon member (Ant. Spring 2022)
Topics Studied:
Java Programming, Data Structures & Algorithms, Database Management, Software Engineering,
Computer Security, Computer Systems, Code Refactoring, Programming Language Theory, Discrete
Math, Calculus I, Statistics I and II, Simple/Multiple Linear Regression, Model Building

*Topics for Spring 2022 include: Artificial Intelligence, Cloud Computing, User Interfaces, Technical
Writing*

Cedar Crest High School (2019) High School Diploma
Cumulative GPA: 4.035

Skills

Strong skills in Java
Experience with Python, SQL, R, C++, C, HTML/CSS, OCaml, IBM SPSS

Experience

Yogey's Miniature Golf and Ice Cream (May 2015-June 2019) Golf Attendant, Manager
 Utilized scheduling, inventory, and security systems, performed customer service,
communicated with staff via verbal and electronic methods.

Penn State Hershey Medical Center (May 2019-August 2021) Custodian
Coordinated with several teams to ensure prompt and thorough sanitization of various locations
on campus.

Volunteer and Leadership Experience

Clinical Supply Volunteer **Good Samaritan Hospital** (2017-2019)

Leadership Intern **Camp Invention, National Inventors Hall of Fame** (2017-2018)

Section Leader **West Chester University Incomparable Golden Rams Marching Band** (2020)

Contrabassoonist **West Chester University Wind Ensemble/Symphony** (2021-present)

Bassoonist **West Chester University Wind Ensemble/Symphony, Concert Band**
(2019-present)

Bassoonist **Pennsylvania Chamber Winds** (2020-present)

PATRICK RYAN

E: pjr.patrickr@gmail.com | T: 484-612-3937

EXECUTIVE SUMMARY

A senior at West Chester University studying Computer Science. Although, I must admit, I'm not interested in Computer Science at all. I picked the major a few years ago because I thought it would make me look smart. Naturally, I'm regretting the decision. But anyways, my main interests are persuasion, conversational hypnosis, and marketing.

PROFESSIONAL SKILLS AND INTERESTS

- **Social Engineering**
- **Copywriting**
- **Neuro-Linguistic Programming**
- **Persuasion**
- **Conversational Hypnosis**

EDUCATION

B.S. Computer Science. West Chester University (West Chester, PA)
- Overall GPA: 3.52/4.0
- Expected Graduation: Spring 2022

PROFESSIONAL SKILLS DEMONSTRATED

Content Marketing – Stock Spinoff Investing   Oct 2021 – Dec 2021

Investment research company focusing on spinoffs.
- Used twitter as main traffic source
- Converted $19,067 in new yearly recurring revenue in two months (~20% increase in ARR)
- Responsible for 976 new Twitter followers (~25% increase in followers)
- Reason for leaving: I wasn't passionate about it and I can't be the one to know if you'll agree, but in my opinion, if you're not passionate about something then you'll never achieve mastery

GoPuff - Delivery Driver   March 2021 – Present

A food delivery service – if you don't know, now you know
- I hold the fastest delivery speeds at multiple locations (*despite the fact* that I drive a Prius)