Terminal Reservation – Delta, Greyhound, Amtrak

Spring 2019

SSJKV

Group 2

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2/5/2019

Brief Resumes

Kamal Rimal
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Objective: To secure a challenging position where I can effectively contribute my skills as Software Professional, possessing competent Technical Skills.

Area of Interest: Web Application Development, Artificial Intelligence, Data Mining.

Computer Skills:
Programming Language: Programing Language: Java, Assembly, C, Python
Databases: MySQL
IDE: Eclipse, NetBeans, jGrasp
Subversion: GitHub
Environments: Linux, Windows

Course Work Projects:

- The project on good and bad customer review sorting was completed using C.
- Complete a project to maintain a list of records contain different information of costumer.

Saleh Alhassan
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Objective: Utilize my software development skills in a project and in the process find what I want to do in life.

Area of Interest: Web Programming, Machine Learning, Artificial Intelligence, Data Mining, Big Data, Deep Learning, Embedded Systems, Robotics, Bioinformatics, Nanotechnology, Computational Chemistry, Computational Biology, etc.

Computer Skills:
Programming Languages: Java, Assembly, C, C++, Python, Bash, Javascript
Databases: MySQL, MongoDB, SQLite
IDE: Eclipse, NetBeans, PyCharm, Atom, Notepad++, Spyder, Android Studio, etc
Subversion: GitHub
Environments: Linux, Windows

Course Work Projects:

- Amazon/Craigslist-like website for a web programming class
- Classification algorithm created for machine learning class project
- Service request mobile app for mobile app class

Viktoriya Rasuli
Vrasuli1@student.gsu.edu

Objective: By working on this project, I want to improve the skills that I have and in the near future become professional in the field of CyberSecurity.

Area of Interest: CyberSecurity, Penetration, Web Programming, Data Science, Data Mining, Big Data, Gaming Design, Human-Computer Interaction, Cyber-Physical Systems, Operating Systems & Networking.

Computer Skills:
Programming Languages: Java, JavaSript, Assembly, C, Python, Python Panda, HTML, CSS
Databases: MySQL, SQLite
IDE: Eclipse, NetBeans, PyCharm, Atom, Notepad++, Microsoft Visual Studio, jGrasp
Subversion: GitHub
Environments: Linux (Ubuntu, Kali Linux, Debian), Windows
Additional skills: Photoshop

Course Work Projects:

- Websites similar to IMDb/Amazon/iCollege/Craigslist/Blog for classes CSC 1302, Data Structure, HCI, and for the department of foreign languages in Clarkston campus.
- The project on reviewing reviews of costumes from Amazon and separate between good and bad using C language for System Level Class.
- The project of deep learning Raspberry Pi for class Computer Org.
- The project of finding fraud on accounts using a database and languages python with python panda for the corporation Featurespace.

Juan Martinez
Jmartinez41@student.gsu.edu

Objective: To secure a web developing role where I can effectively contribute my crafts as a software professional.

Area of Interest: Web Development, Computer Animation, Robotics, Data Mining.

Computer Skills:
Programming Language: Programing Language: Java, Assembly, C, JavaScript, HTML, CSS.
IDE: Eclipse, XCode, jGrasp, Virtual Studio
Subversion: GitHub
Environments: Linux, Windows, macOS

Course Work Projects:

- A java project that simulated a movie theater website.
- A project that organized records of a doctors office.

Sarah Swilley
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Objective: To further my skills as a programmer, to further my understanding of my databases, web programming, and to contribute to another project as a team member.

Area of Interest: Web Programming, Data Mining, Big Data, Game Design, App Development, and AI.

Computer Skills:
Programming Languages: Java, Assembly, C, Python
IDE: Eclipse, Android Studio, PyCharm, Atom, Microsoft Visual Studio
Environments: Linux, Windows
Subversion: GitHub

Course Work Projects:

- Data structures project that pulls winning lottery numbers from a lottery database and randomizes them.

Work Breakdown Structure

Assignee Name	Email	Task	Duration (hours)	Dependency	Due date	Note
Saleh Alhassan	salhassan1@student.gsu.edu	Creates the GitHub repository. Writes Brief Resumes. Summarizes the Teamwork Basics.	6 hours	None	2/04/2019	Sends invitations to the other team members. Working with Kamal and Juan on Teamwork Basic part. Should be ready within 24 hours before a deadline.
Juan Martinez	Jmartinez41@student.gsu.edu	Writes Brief Resumes. Summarizes the Teamwork Basics.	5 hours	None	2/04/2019	Should be ready within 24 hours before submissions deadline. Working with Kamal and Saleh on Teamwork Basic part
Sarah Swilley	sswilley1@student.gsu.edu	Answering on the questions from the section four Problem Statement. Writes Brief Resumes.	6 hours	None	2/04/2019	Should be ready within 24 hours before submissions deadline. Working with Juan to complete the task.
Kamal Rimal (coordinator)	krimal1@student.gsu.edu	Writes Brief Resumes. Also working on System	6 hours	None	2/04/2019	Working with Viktoriya to create a high level the system's architecture.

		Requirements part. Summarizes the Teamwork Basics.				Should be ready within 24 hours before a deadline. Working with Salah and Juan on Teamwork Basic part. Should be ready within 24 hours before a deadline.
Viktoriya Rasuli	Vrasuli1@student.gsu.edu	Writes Brief Resumes. Creates a new project on the GitHub as described in the assignment. Also working on System Requirements part. Putting the report together.	7 hours	GitHub should be created first. Brief Resume, System Requirements and Teamworking Basics should be done first.	2/05/2019	Working with Kamal to create a high level the system's architecture. Should be ready within 24 hours before a deadline. The whole report should be ready within 5 hours before the deadline.

Teamwork Basics

Setting basic ground rules to work as a group can make the project run smooth and with minor issues. With a good set of norms established the group can count on operating very smoothly. It is also imperative to know how to work through issues and problems as well.

Some of these norms include having a good communication system and establishing a facilitator. There are many ways of keeping constant communication as a group such as group-texting, shared google files and meetings. It is also essential to have someone that is there to make sure everyone is doing their part and moving the project along. This facilitator can be one person through the entire project, and it can also rotate from person to person. In my last project, we always had one person that would keep everyone focus on short-term and long-term tasks.

It is important to consider everyone's schedule and workload to schedule meetings, work assignments, and group jobs. Sometimes people have other things going on in their lives that everyone should be considerate. In my previous project, we distributed the workload pretty evenly and had good open communication to accommodate people's enigmas. We discussed and voted on important decisions that impacted a big part of the project. We made sure that work was done in a timely matter so it could be reviewed and changed if needed. Sometimes lining up schedules for a meeting was very complicated, so it was essential to accommodate if people wanted to eat or drink.

The first step to handling difficult behavior would be to have a serious group meeting to address said behavior and talk about what we should do as a consequence, what we should

do moving forward, and what can be done to prevent such actions in the future. If the problem was not resolved, we would approach the professor for a resolution. For example, I have been in groups where at least one person is not as active in working compared to the other group members. In one of those instances, the main form for a resolution was to directly assign what each team member would do as not to cause any confusion.

Teamwork is always playing an important role in finding the problems a dig out the solutions out of it. However, the cooperation with a team member is sometimes difficult to manage it. The planning phase is the most important tasks do in the project. One idea is not always enough to make good planning. A good plan always helps us to divide our task for everyone and finish accordingly. Planning is most important to complete the projects.

Communication and collaboration are necessary between a team. Without communication with group member, there would be trouble to complete the project on time and perfect delivery. For example, when I was doing the project with one of my friend in System-level Programming, I would not be able to complete the project because of some emergency situation. We were just two people in the group. Because of proper communication, I was able to do at least 25% of the project and he did 75% of the project. On the day of the presentation, he was not able to present and I went there and present by myself because he had an exam. My professor understood the situation and we both got good amount of bonus points which helped me a lot to get A in the class. Because of our proper communication and collaboration we were able to complete our project.

The final goal of the project always makes first priority by the team. All team members are responsible to do their job on time and efficient manner. We do not need to push everything on one team member. Every personal vie and different ideas makes the project better and efficient in timely manner.

Problem Statement

We are creating a website that extracts information from three different companies representing three different modes of transportation: Amtrak, Greyhound and Delta, and compares prices for specific dates and locations.

The purpose of our project is to create a website that compares prices for similar itineraries from Amtrak, Greyhound, and Delta. This will be the first website of its kind that compares itineraries and costs across different modes of transportation. The user will enter a departure date, a preferred departure time, a starting location, and a destination. The website will create a list of options based on the set criteria by extracting data from three different websites simultaneously. This will allow the user to find the lowest price without having to navigate to different websites or apps and search each of them individually.

The website will be geared towards those with a budget mindset. Typically, travelers with a more flexible schedule that can take more or less time to travel based on what they perceive as a better deal. It is also geared towards those traveling lesser distances. While the travel time for a train or bus may be longer than the travel time for a plane, when you consider the hassle and length of wait times in airports, train and bus travel become much more appealing options. Although there are currently several websites that compare flight itineraries among different carriers, there are currently no websites that compare different modes of travel. We would create more options for those looking to travel on a frugal budget with a minimal amount of travel stress while eliminating the need to look at several websites simultaneously.

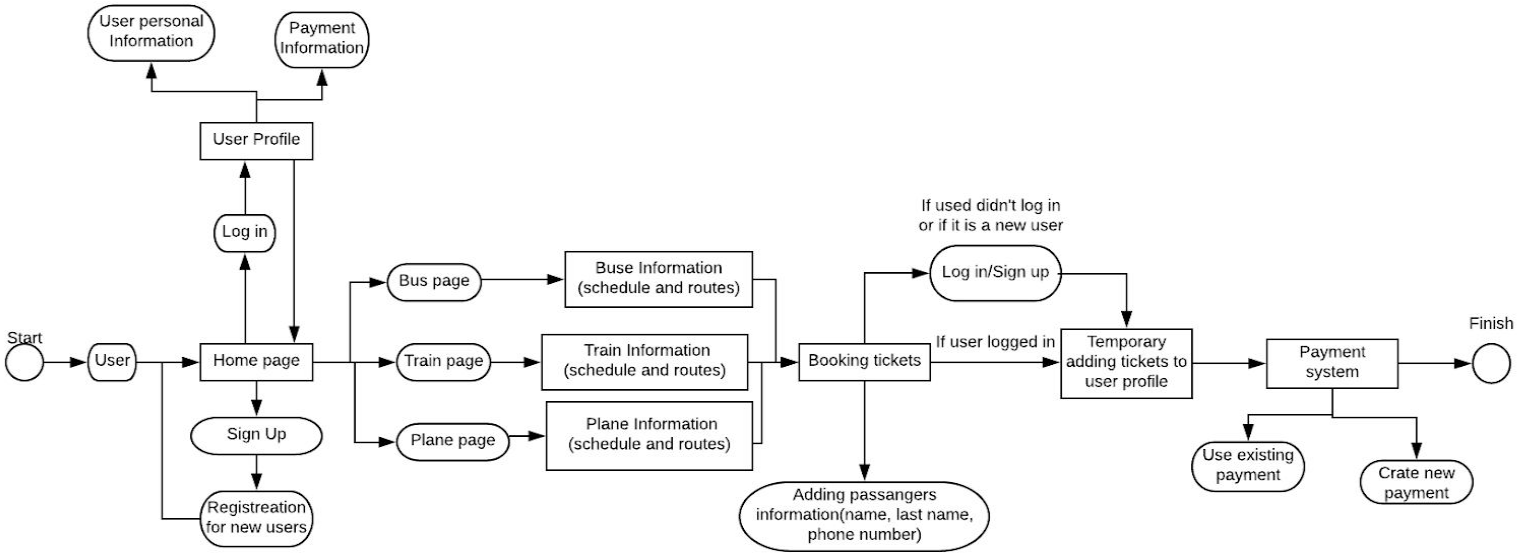
Only one website currently accesses the databases of three modes of travel, Google Maps. Google Maps currently has a function to compare the travel times for driving vs. walking vs. public transportation. It is limited in its usefulness, as it does not go into the depth of detail required to make an educated decision regarding which mode is most beneficial to the individual traveler. It also is limited in scope, as it does not provide enough information to make a decision about a trip outside of a metro area. This website will be the first to compare three modes of travel: bus, train and airline, and present that information to the user in a detailed yet concise format that shows both prices and itineraries.

As more and more information is available on the internet, consumers are seeking out new ways to get all of their answers in one place. Our website will give the user the ability to comparison shop and make the decision that most benefits their needs without taking hours of their time to obtain information from several sources. We will create a website that pulls information from the databases of three major modes of transportation by three leading companies and present that information to the user in a clear, user-friendly front end.

From a technical standpoint, the possibilities with this website are almost endless. There are options to expand to competing carriers within two of the three modes (bus and airline). The fourth mode of car rental could be added down the line to create a one-stop shop for four modes of transportation.

The hassle of air travel today has led to more consumers who are looking for better alternatives. This website will assist the train and bus industries in obtaining a new consumer base and becoming more competitive with air travel in the future. We are seeking answers to questions the consumer market is asking and presenting these answers in a way that make travel *a little* more enjoyable.

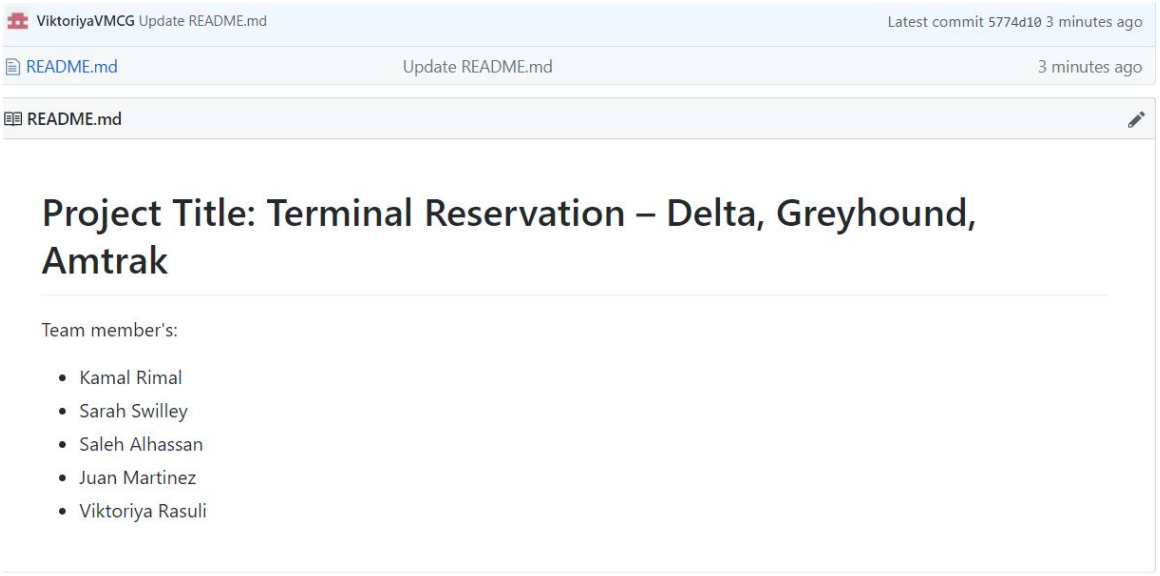
System Requirements



Appendix

GitHub

https://github.com/5aleh/book-on-time



https://github.com/5aleh/book-on-time/projects/1