Group 10 Written Statement

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When compared to the other teams, our team’s proposal should be the one that is chosen since we have both the skills and teamwork to ensure that Forestview is able to have an application for its upcoming SafeZone© proposals to key customers. Our team, The Coding Guys, includes Amer Kadric, Terry Paul, Rayyan Saleh, Ahmed Shah, and Maruf Tushar as our members. Each of us are students at Wayne State University and are completing our majors in computer science. This gives us the expertise on being able to come up with programs and applications for companies to use. The focus and dedication we have is unlike any other team as we will strive to make sure that our team fulfills the tasks at hand. The application that we have made is a database which can provide a robust way for Forestview to add, store, and retrieve its most important data. With every member of our team, we are well equipped to handle all of Forestview’s needs.

Since we are all Wayne State students, our educational background and experience give us the ability to apply mathematics, science, and software engineering in the modeling and design of computer-based systems. With the skills we have in mathematics, it allows us to use formulas and concepts to construct complex algorithms in programming. Which then allows us to optimize the performance of computer systems through quantitative modeling. Our methodologies in science allow us to be able to give an examination of systems and conduct studies efficiently. This would enable us to implement innovative solutions that align with industry best practices. As software engineers, we can use programming that can create applications with complicated coding. We also knowledge of understanding of software architectures that help with the development of scalable and efferent systems. With our team’s expertise, we have the tools and methodologies that can provide Forestview with skills that will benefit their specific needs from state-of-the-art solutions.

The techniques and computing tools we used help with the analysis, design, and implementation of software systems. In our programming, we were able to code the application using Python using Visual Studio Code. Our team was then able to create a system that stores, collects, and searches data and then we used tkinter to create the graphical UI which provides an interface that is efficient and easy to use when creating any type of application. A user agreement was also created to ensure protection of all data. By using HTML, our team created a website which states who we are and lists the projects we will make, and this includes this week’s product. With the utilization of different techniques and computing tools our team was able to create an application that serves as a database with efficient data management capabilities which can be implemented by Forestview.

Stakeholders’ desired needs and specifications are a key factor that our team needs to uphold. This includes the ability to communicate properly with clients and have an acceptable performance criteria as well as being able to manage costs and time. As developers we must ascertain customer needs so this means depending on the customer, we need to adapt ourselves to what they expect from us. Being on top of trends gives us a better chance to enhance our skills to help many different clients. Our team can function effectively as a member of a team assembled to undertake a common goal. We have open communication with each other, and we worked on ways to collaborate and create an effective system where everyone can share what they want. Each of us can work together with every member and complete whatever task is at hand. Handling costs and time restraints are something we as a team can handle and can ensure to deliver efficient results. Accordingly, our team can work together to adapt, communicate, and work towards achieving the requirements Forestview expects from us.

This week’s product is an application that our team worked on is a system in which it helps with the organization of storage. Creating an item allows the application to add new data into the storage database. It registers a product name, quantity, name, phone number, and email while each item has its own itemID and is in a proper format. Finding an item searches for a specific set of data that is needed, and this is done by entering the itemID. Deleting an item removes the data from the system and to delete the item, the itemID must be entered. The application can also load products which have been collected from pre-existing .csv files and have them shown in reverse order. Any changes made can be saved by saving the session, A user agreement has also been made to ensure that the data of Forestview is not to be used without their consent. We can guarantee that our application is able to perform efficiently and easy to use on a daily basis.

By using a hosting service, we can have our application be used online which is very beneficial for our team. There are many different places that provide this service and the right one for use depends on factors such as security, cost, and how well the servers are online. Depending on what you want or how much your budget is will play a huge factor on what site you want to host your application. The places that provide hosting services include AWS, Google Cloud, Microsoft Azure, and many others. Our team was able to request some quotes on how much it costs to host our application using their site. Figuring out which services were needed and who had the best offer was something our team was thinking about. By using Google Cloud, we were able to get a quote for $253.15/month for their services, Microsoft Azure gave us a quote for $564.96/month for the same service as Google. The quote that Amazon gave us was $419.00/month. Even though AWS has better service, our team feels that using Google Cloud is the best choice as it has similar options as AWS and Microsoft Azure but at a cheaper price. By using this hosting service, our team feels it can help us implement our application to like how we envisioned it so that companies like Forestview are able to use it effectively.

Even though our team feels that our application is good, it can be further improved upon in the future. A way to improve our application is by tightening security so we can ensure no important data can be breached. Real-time updates can also be added to help make sure data is stored faster than before. User feedback is also important so we can include a way to get find what we can do better from our clients. By including a testing and quality assurance process it can help find any glitches or bugs that can cause problems with our application. Having a guided walkthrough can help users understand better and be able to fully utilize our application. These are some of the recommendations that can be made with our application in the future which will help improve the way it functions to bring satisfaction to its users.

Our team, The Coding Guys, stand out as the best choice for Forestview with the proposal we provided. We have the experience, education, teamwork that meet with the expectations that is set upon us. The skills we have in mathematics, science, and software engineering allow us to use techniques and computing skills to help create an application for Forestview’s needs. The application we made allows Forestview with a storage database which can create, search, and delete data. We can work well as a team and listen to clients and stakeholders so that we can provide them with what they need in an efficient way. Using a hosting website like Google Cloud can help us put out our applications so that it can be used by a wide variety people. We plan to improve our application in the future so that it can be used easily by clients and fix any issues they might find. Overall, we can make sure that our application is able to satisfy the needs of Forestview in a way that is robust and user friendly.