Putting together computers from scratch is a tedious process. The problem that the project addresses is the custom design of the PC. Putting together all the parts necessary for the operation of the computer is a time-consuming process. This process is very technical one and although it can be done by anyone with the correct amount of time, people rarely have that much time to spend on a process like putting together a PC. The problem is interoperability, making sure each component works together with each other without any errors.

This project takes away the guesswork and provides to the user a list of parts that can be melded together to create a PC that is worth the price range specified to it. The tasks performed are as follows: the user inputs all the data necessary for the system to understand what the user wants. For example, the price range to work with, the type of system they want to achieve whether it be gaming, productivity and more. The information will be used to put together sets of PCs’ that are suited for the tasks that the user specifies. The resources required includes a working internet connection, a mouse and keyboard to navigate the system and an existing PC or any Electronic device that is capable of browsing the web and interacting with the site.

The risks include selecting products that are compatible but also works together well with each other but within the price range that is entered. When building a custom computer system there are many varying parts and specifications to choose from and without knowledge of these components, there may be compatibility issues or poor choices made when putting together a custom computer system.

This application is an optimizer which requires the user to enter some information which it then processes and produces the best results based on the user’s input. The system ensures that there are no compatibility issues and that the best prices from reputable retailers are provided for the recommended parts.

The product that is being made should bring to the market an easy and compact way to safely, securely and efficiently create a PC system faster and more versatile than manually built systems. This is created from the app and via the system where all the essentials are listed out in an order that is easy to follow and comprehend. Furthermore, the average user of a PC system does not have the time nor the reason to learn everything that there is to know about a system before they build it. This system, budget builder, reaches out to persons who want to build a system but do not want to exert the time and energy into pure research to build the system. The system lays out every single aspect and all the user has to do is simply send an input of what they want and the system does all the rest for the user all for free and quickly. The system sees the user’s budget and recommends the utmost best components that they can receive for their money and purpose of use, for example, the system would not recommend a gold tier graphics card to a user who does not want to use the system for strenuous gaming.