

CS 371 Section C

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Customer in Mind:

We made the conscious decision to make the GUI as simple as possible for the conductor. It will be really easy and straightforward for the conductor to look at the screen and know what the problem is and what to do to fix it. Each line on the main panel will tell the conductor what the problem is along with the recommended action. The name of the user will also be displayed on the screen, so that the user knows that he/she is logged in to the right account. Additionally the speed, temperature surrounding the train, and the WiFi connectivity status are displayed clearly right below the main panel to make sure the operator has the necessary local information to make decisions based on the surrounding conditions. The layout is very simplistic to avoid confusion and we made sure to limit our software to only 2 screens: the login screen and the main screen. We felt that if we had multiple screens, the experience could be confusing to the conductor. Additionally, the conductor can easily logout with one click of a button and log back in with little to no wait time. Everything that the conductor interacts with is made to be robust and easy to use.