Requirements Document

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This weeks’ assignment involves our team creating a short requirements document that will serve as an outline for what is required for the rest of the program to be functional and complete. This will include designating the proper input, output and validation rules to follow through the application.

So far what we know is that the program must display a seating chart with a total of 90 seats in the auditorium. There will be ten rows with nine seats per row. The inputs for the program will vary based on each user and will include: first name, last name, billing address, payment method, and number of tickets required.

The outputs will come in the form of cout and printf functions and will be the direct result of user input most of the time. Outputs for the program will include: number of seats available, the total number of tickets being sold, the total cost of the tickets, sale confirmation, and a visual display of the seats available. In addition, there will need to be output errors associated with a user not inputing the correct data type for the field in question.

The validation rules for the application will be that of the following:

Char = first name and last name

Int = tickets sold, ticket cost, tickets available

If these rules are not followed the compiler will return an error and ask the user to input an appropriate value.