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Senior Project Specification
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Project Title: Clover Booking Application

Project Summary:

Clover's App Marketplace seems to be missing a booking application, which is integral for businesses that make frequent use of reservations, such as restaurants and beauty salons. A booking application can assist merchants in easily keeping track of reservations made by their customers in-person or through calling them. This app will utilize Google's Calendar API.

Project Goals:

At the conclusion of this project, a merchant will be able to use the booking application to set reservations for their customers, based on what day/time they would like to book for, as well as a specific employee to serve them if applicable. Likewise, a merchant will be able to cancel any reservation set if the customer requests it. Each reservation will include some information about the customer such as name and contact information, as well as any special instructions/ requests. The merchant will be also be able to identify what spots are already reserved with a color coded interface.

Product Features:

- Add/remove customers' reservations.

- View/edit current reservations.

- Confirm customer's presence at appointment.

- Allow a reservation to be made if it does not interfere with another reservation. If it does, an error will appear, showing which reservations interfere with the reservation attempting to be added.

Limitations:

- Group meetings between all members might not be convenient due to commuting/work schedules.

- Having access to the Clover POS hardware.

- Learning challenges of new programming languages/different APIs.

Stretch Goals:

- Implement a feature that allows the customer to make an appointment online, then store the reservation in the merchant's Clover application.

Github: https://github.com/gordonb2/RowanCSSeniorProj_CloverBooking