**Restaurant Manager  
Evaluating the Solution**  
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Introduction

RManager first set out to fill the role of a software product which could assist a restaurant in creating bookings and allocating them to tables. Speaking generally, RManager fulfils this purpose effectively, and provides a intuitive, user-friendly process in which to manage the bookings.

User Interface

The RManager user interface is specifically designed to be used in a restaurant, with large buttons and a clear, clutter-free screen. The UI was also designed to be useable with a touch-screen, making it transferrable to tablets and smartphone devices. The use of Bootstrap also increased readability and consistency.

Overall, the interface is appropriate for its purposes.

Ease of Use and Operation

RManager is reasonably easy to use, although there are some minor structural issues that are artefacts of the fact that this project was started with very little knowledge of how to properly undertake a software project. An example of these structural issues is the fact that bookings must have a unique name attached to them. Therefore, if “Jim Geoffery” booked at a given restaurant twice, he would either need to delete his pre-existing booking or enter a different name. This could be avoided by employing a random or sequential numbering system for each booking, therefore making the primary key of the LocalStorage entries the ID number, not the booking name.

Functionality

The functions that RManager has is appropriate for its use in a restaurant. Some functionality may be less useful (saving bookings to file) whilst some extra functionality may be necessary (adding items to bookings).

Test Data

Test data used involves:

* Random Names from <https://mockaroo.com/>
* Random Times
* All allocated on one date (1-8-19)
* Random location preferences
* Ransom amounts of people

In total, 20 bookings were made and allocated to random tables.

The program withstood the load, proving that the solution would withstand the general use of a normal restaurant.