

Contents Document FP A2 – Varun Pereira s3842244

Functionality: All functionality required by criteria and rubric has been met. This includes (but not limited to):

Employee:

- Employee Main Menu (includes viewing their current booking, where an employee can only have one booking at a time as required by criteria, can also cancel provided at least 48 hours left till booking date)
- Request a Booking (with criteria restrictions)
- This Employee Booking Request feature, includes the **BONUS** criteria (employee can't sit at a desk already sat at, not sit next to an employee they have already sat next to before.)
- Booking History
- Edit Employee Details

Admin:

- Admin Main Menu
- Manage Booking Requests (covid condition and covid lockdown, confirm or reject as many employee booking requests for next day, unresolved request are auto rejected the next day etc and much more)
- Download csv file for Employee Bookings (change file directory before downloading)
- Download csv file for Employee Details (change file directory before downloading)
- Create/Edit/Delete Employee Details
- Create/Edit/Delete Admin Details

Shared:

- Login
- Register
- Secret Question and Answer
- Reset Password

General:

- User input validation
- Any errors accounted for including edge cases
- Logging out

GUI

Sophisticated yet familiar design all login related pages link together well, and admin and employee pages and home page centric leaving for ease of use to user. All functionality is organized, clear and easy to use for the user.

Database

Everything is concise and manageable in just two tables, Desks and Users. Columns are named accurately according to what they represent eg desk_colour represents a desks' colour. Queries follow standard SQL syntax.

Exceptions

All exceptions have been taken into account with try and catch blocks.

Software Architecture

Excellent use of MVC architecture and further categorization into user accounts, shared, admin and employee. Also an 'appsetup' folder for general setup of the application like database connection and main class.

Coding Style

Purposeful comments for each method and class's function, and otherwise professional. Methods restricted to within 50 lines and meaningful names used for variables, methods, classes and packages.

Video Reports

All complete.

Design Changes

No significant changes were made since the last milestone except for the simplification of the database, its tables and its columns. The UI and application logic remain largely the same.

Lessons Learnt

I would like to thank my tutors and coordinators for all their hard work and devotion to teaching us and giving us the opportunity to work on this challenging but rewarding project.

I have learnt many skills along the way, including how to make a proper desktop app with database and Java, MVC design, SQL, UI, time management, and many more.

Thank You!