**Names:** Cody, Quintin, Daniel

☑ This assignment is completely my own and/or my team’s original work.

Student signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Marking Schedule**

|  |  |  |
| --- | --- | --- |
| **Section** | **Components** | **Marks** |
| Database | Classes (Flight, Passengers, Tickets) | 5 |
| Properties (attributes / references) | 5 |
| Relationships | 5 |
| Encapsulation (full) | 5 |
| Methods | 5 |
| Collections | 5 |
| Total ( / 30 ) | | |
| Reports and files | Comments / Layout | 5 |
| Complete reports and files | 10 |
| Extra feature (using functions not covered in class) | 5 |
| Total ( / 20 ) | | |
| Interface | Main page | 5 |
| Login Function | 5 |
| Menu function | 5 |
| Search function | 5 |
| Printing ticket | 5 |
| Backup (user log file) | 5 |
| Form layout / formatting | 10 |
| Extra content (using controls not covered in class) | 5 |
| Total ( / 45 ) | | |
| Presentation | Live demonstration of random tasks | 5 |
| Good handling of Q & A |  |
| Total Points | | 100 |

Introduction

Introduction

Our team is called Jade Masters, we are a small group of students at SIT. Our members are Daniel, Cody, and Quintin.

Our team has been tasked with developing a Jade application to be used by a travel agency. They have supplied a list of requirements for the application.

The application will be separated into two schemas, a database, and an interface.

There will be four levels of user login.

* Guest – No login required and can only search and view flight information.
* Passenger – Guest login abilities as well as the function to search and apply for tickets, view and print tickets.
* Manager – Passenger login abilities as well as the function to create and remove passengers and accept ticket requests.
* Admin – Highest level of control, is created when the database created.

The Project will contain a public page with no required login that will have the ability to search and display flights.

The database will contain the following entities.

* Plane
* Airport
* Flight path
* Flight
* Passenger

A log file that documents changes from all users.

The ability to print tickets once they are fully paid.

Task completed by team members

Cody:

* Plane class and Ticket class and their attributes

Quintin:

* Airport class and attributes

Daniel:

* Passenger class and attributes

Submission checklist

Report submission containing:

☑ a cover page with marking schedule

🗹 Introduction

☐ one page describing listing members and their assigned tasks for the entire project

☐ entity relationship diagram

☐ manual of how to use the application

☐ interface design

☐ Conclusion

File submission (BlackBoard) including:

☐ both schema files (Model and View)

☐ data files (from backup)

☐ used images in the application

Class presentation (10 minutes max) with:

☐ an introduction of team members and roles

☐ a demonstration of running application including bonus features

☐ live demonstration of a random task given by the tutor

☐ 2 minutes Q&A session