BSc in Computing Dissertation by Practice

**Project Initiation Form (Project Term)**

**Section 1:**

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**Section 2:** Please fill either “Part a” **OR** “Part b”.

**Part a:**

Briefly describe what type of project that you wish to work on. In this case please describe the **type** of project, the **technologies** that you might use and any similar existing project (**References**).

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**Part b:**

If you have a project idea **and,** please describe it as: **What** you want to do (Brief project description)? **Why** you want to do it (Motivation)? **How** would you do it (Technologies)? And any similar existing projects (**Reference**)?

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| **Overview**  I would like to create an **Air Ticket Reservation System** which includes a database with tables such as passenger information, flight information, airline information, and so on.  **The story**  My uncle is running a travels and tourism business in Burma and he asked me to create a flight booking system for his business a few years back. He was using a standalone FoxPro-based software at that time but with some difficulties. But I could not do it back then because I did not have enough knowledge to create a software from scratch. (Unfortunately, I could not get the system design from him). Thus, I am motivated to create this web-based air ticket reservation and present it to him so that I can make some customised changes according to his requirements.  **The toolkit**  Since it is a web-based system, I would use **HTML & CSS** for user interface design, **JavaScript or PHP** (may use some frameworks) for functional operations, and **MySQL** for database.  **The references**  For references, I researched some similar systems and UML designs, ERDs and DFDs. The following is the list of videos I found for air ticket reservation system (all of them in Java).  ***Airline Reservation System Project in java***  <https://www.youtube.com/watch?v=DSwy6wgP2aw>  ***Air Ticket Reservation System Java (With Source Codes)***  <https://www.youtube.com/watch?v=PkuQCBBpS28>  ***Air Reservation System [Assignment 1] - Java***  <https://www.youtube.com/watch?v=VoH5dZrqUIw>  **Limitations and future enhancements**  My primary goal for this project is a user can book the flight ticket and be able to check the information of the flights and schedules. The airline companies and flight route information will be provided in the system up to some limitations (cannot include all actual airlines and routes). The payments and debit transactions will be a dummy system. For enhancements, the system will be developed as an actual flight booking system in future.  **\*\*\*\*\*\*\*\*\*** |

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| Supervisor |  | Demo Date |  |
| Accounts |  | Attempt |  |

Comments: