

# CMSC 127

## File Processing and Database Systems

Project Specifications  
First Semester 2014-2015

<b>PROJECT TITLE</b>	Venue Reservation System
<b>NUMBER OF GROUP MEMBERS</b>	2-3 members within the section (to be decided by the lab instructor)
<b>FINAL PRESENTATION</b>	Last week of classes (depends on your lab instructor)
<b>PROGRAMMING LANGUAGES</b>	Any programming language comfortable to the group
<b>DBMS</b>	Oracle (and variants) or PostgreSQL
<b>FRAMEWORK</b>	Use of framework is optional
<b>OBJECTIVES</b>	Create a data design for the specified project based on existing specifications. Implement the design in a DBMS specified. Integrate the database design in the application for the project. Meet functional requirements of the application through the database design and implementation.
<b>ASSESSMENT</b> <u>(10% of CMSC 127)</u>	ERD - 10% ERD to tables - 10% Table Normalization - 10% Database Table Definitions - 10% Final Project - 60% User Interface, User friendliness, Creativity - 30% Functionalities - 50% Overall impression - 15% Attire during presentation* - 5%  A document for each requirement is expected from the group.  <i>*Students are expected to wear at least smart casual attire during presentations. Presentations are to be done at the agreed time of the lab instructor and the students but should be before the finals week.</i>

### Project Specifications:

Tin, Marya and Jason, the members of Yuffie Elvi Lush Bunnies Organization, wanted to host a free concert at the Copeland Gymnasium featuring the bands Maroon 5, Lady Antebellum, Spongecola and singers Katy Perry, Justin Bieber and Martin Nievera. They tried to gather information on how to reserve the venue for the particular event and little did they know that there are lots of requirements and that they have to talk to different people from the administration to reserve a date and location for their event. In their tiny hearts they wished for a hassle-free, informative and easy to use *venue reservation system* that can help them check and reserve events on a particular date and location.

The application allows any user to:

- Search for available venues for hosting events.
- Search for events.
- Add or Reserve an event in a venue given that the venue is available.
- Add or Reserve a date for an event given that the date chosen is available.
- Edit event details.
- Show a table of upcoming events with date and location as details.
- Generate a PDF of the details of the event and keep a copy of the booking in the database.

An **administrator** can:

- Add, edit and delete venues
- Approve reservation of venues
- An administrator must have a login page and access must be secured.

In all other details not mentioned in this document, the students have the freedom to decide.