Lucas Damler

Z1761739

CSCI 467 – 1

Assignment 1

Due:

|  |  |  |
| --- | --- | --- |
| **Req**  **No.** | **Functional Requirement Statement** | **Must have or Nice to have** |
| FR01  FR01a  FR01b | The GEM system must keep track of artists and bands.  New artists have their name, address, contact information, logo, and concert rate per event.  Contact information includes email, office phone number, and cell phone number. | Must have  Must have  Must have |
| FR02  FR02a  FR02b  FR02c | The GEM system must keep track of band names and band members.  Bands cannot have more than 7 members including manager/agent. Only bands represented by an agent are eligible for hiring.  Band data includes band name, band leader, agent name, member names, concert rate per event, any special notes.  The GEM will contact the agent first then band leader. Contact information including phone number of key people must be stored. | Must have  Must have  Must have  Must have |
| FR03  FR03a | The GEM system must keep track of vendors who proved services. Vendors may include city hall, business vendors, or other vendors who provide stage setup, security, cleaning, etc.  Vendors must be put in categories which may include rental, setup, cleanup, security, food, operating, advertising, etc. | Must have  Must have |
| FR04  FR04a  FR04b  FR04c | The GEM system must allow event staff to be able to add and update a concert event. A concert event will have band name/artist(s), event location, date and time, status, and seating capacity.  Event status includes when the event has been created,  approved, advertised, sold out (reached maximum capacity), cancelled or completed.  The system needs to be able to assign an event manager as the main contact.  The system must notify the Super Tickers system after event approval by manager. It must be able to record special notes for each event. | Must have  Must have  Must have  Must have |
| FR05  FR05a | The GEM system should be able to generate a detailed report for the event manager. Event report should include event name, location, date, time, contact information for band/artist.  The event manager needs to know stage setup crew, lighting crew, and sound crew. | Nice to have  Must have |
| FR06 | The GEM system must be able to connect to the Super Tickets information system to get real time reporting or updates on tickets sold and tickets available for a specific event. | Must have |
| FR07  FR07a | The GEM system must provide the COO with a summary report (as needed by a specific date range) listing events currently advertised, sold out, and cancelled.  For each category the COO must be able to quickly find on the report how many tickets have been sold. | Must have  Must have |
| **Non-Functional Requirements Statement** | | |
| NFR01 | The GEM system must be secure. The system must allow only authorized access to it. Password and login functionality must be added. | Must have |
| NFR02 | The system must be written in an object-oriented language | Must have |
| NFR03 | The GEM system must be written dynamically to allow expansion in the near future. | Must have |