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CSCI 467 – 1

Assignment 1

Due:

<b>Req No.</b>	<b>Functional Requirement Statement</b>	<b>Must have or Nice to have</b>
FR01	The GEM system must keep track of artists and bands.	Must have
FR01a	New artists have their name, address, contact information, logo, and concert rate per event.	Must have
FR01b	Contact information includes email, office phone number, and cell phone number.	Must have
FR02	The GEM system must keep track of band names and band members.	Must have
FR02a	Bands cannot have more than 7 members including manager/agent. Only bands represented by an agent are eligible for hiring.	Must have
FR02b	Band data includes band name, band leader, agent name, member names, concert rate per event, any special notes.	Must have
FR02c	The GEM will contact the agent first then band leader. Contact information including phone number of key people must be stored.	Must have
FR03	The GEM system must keep track of vendors who provide services. Vendors may include city hall, business vendors, or other vendors who provide stage setup, security, cleaning, etc.	Must have
FR03a	Vendors must be put in categories which may include rental, setup, cleanup, security, food, operating, advertising, etc.	Must have
FR04	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.	Must have
FR04a	Event status includes when the event has been created,	Must have

FR04b	approved, advertised, sold out (reached maximum capacity), cancelled or completed.	Must have
FR04c	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
FR05	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.	Nice to have
FR05a	The event manager needs to know stage setup crew, lighting crew, and sound crew.	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	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.	Must have
FR07a	For each category the COO must be able to quickly find on the report how many tickets have been sold.	Must have
<b>Non-Functional Requirements Statement</b>		
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