Classes and Specifications:

* **Conference**- A conference is an event consisting of several sessions with guests in attendance registered by a business or organization. Multiple conferences may be run at the same time, but conferences can only be run if required resources are available, e.g., the requested number of projectors, microphones, etc. are open to be used in conjunction with the requested rooms.
* **Session**- A session is an event in a conference in which one or more speakers will give a presentation. A session must be a part of a conference, and the same session can only occur once at any given time.
* **Special Session**- A Special Session is a session that, when available, requires additional payment and registration. A typical guest cannot attend a special session unless further registration has been filled out by said guest.
* **Database** – A Database is a list of available or unavailable resources that are used for each session. Resources from Database are passed to Session (the Equipment and/or Room are marked as “Unavailable” and changed in their respective child classes).
* **Rooms**- Rooms are the various rooms that are available for use by a session in any given conference. A room must be available for a session to be booked using said room.
* **Equipment**- Equipment refers to the various pieces of technology that will be utilized by each session in each conference. A piece of equipment must be available for it to be used, i.e., if something is broken, it cannot be selected for use in any given presentation.
* **Schedule**- Schedule refers to the seasonal schedule of conferences. Schedule has no constraints.