**University Conference Center System (UCCS)**

**{Jake Adkins} Systems Engineer**

**Working-Level Integrated Product Team (WIPT) Class Specifications**

**1.** **Name of Team.** Jacob Adkins, …,Systems Engineer (SE) Working-level Integrated Product Team (WIPT).

**2.** **Effective Date, Reviews, and Updates.** The class specifications will be updated as necessary to conform with updates to program documents and milestones.

**3. Key Abstraction Specifications**

**\*\****Obj* denotes an object found elsewhere in the Class Specification

*Class Name:*

*Participating Business;*

*Documentation:*

*Definition:*

*A group of people that desire to sponsor a conference and provide a list of guests who will participate in the event.*

*Constraints:*

*A participating business will cover the cost of the conference (cost per guest), and schedule the event. They must reserve the equipment at this time.*

*Class Name:*

*Conference;*

*Documentation:*

*Definition:*

*A group of sessions consisting of up to two morning [session], and two afternoon sessions. These sessions can be parallel [session] or special sessions. Minimum sessions?*

*Constraints:*

*A participating business must schedule the session. A special session must be scheduled and paid for differently. The conference requires registration and payment.*

*Class Name:*

*Guests;*

*Documentation:*

*Definition:*

*According to the context of the problem domain, guests are those who participate in the conference.*

*Constraints:*

*Must be signed up for, and paid in advanced for special sessions.*

*Class Name:*

*Event;*

*Documentation:*

*Definition:*

*One or more conference that can last more than one day.*

*Constraints:*

*A participating business will cover the cost of the conference (cost per guest), and schedule the event. They must reserve the equipment at this time.*

*Class Name:*

*People;*

*Documentation:*

*Definition:*

*According to the context of the problem domain, people are part of the participating business.*

*Constraints:*

*N/A*

*Class Name:*

*Record;*

*Documentation:*

*Definition:*

*Schedules, and other info about past conferences.*

*Constraints:*

*Must hold title, date, room name, room cost, equipment used, cost per guest, and the amount of the 1% charge.*

*Class Name:*

*People;*

*Documentation:*

*Definition:*

*According to the context of the problem domain, people are part of the participating business.*

*Constraints:*

*N/A*

*Class Name:*

*Morning Session;*

*Documentation:*

*Definition:*

*A session that occurs in the block of time before noon.*

*Constraints:*

*No more than two concurrent sessions of this type on any given day.*

*Class Name:*

*Day;*

*Documentation:*

*Definition:*

*A unit of time containing a partial or an entire event. In some cases, multiple events can occur on the same day, should the resources permit it. It has two AM sessions, and two PM sessions.*

*Constraints:*

*Only two AM and PM sessions can run concurrently, regardless of if they are special sessions. A session is part of a conference. Uses a room and equipment.*

*Class Name:*

*Session;*

*Documentation:*

*Definition:*

*A meeting of a conference in which two or more presenters give a presentation.*

*Constraints:*

*Only two AM and PM sessions can run concurrently, regardless of if they are special sessions. A session is part of a conference. Uses a room and equipment.*

*Class Name:*

*Video Projector/White Board/Speakers/Microphone;*

*Documentation:*

*Definition:*

*Presentation tools used during a session. This equipment can be broken, available, or in use.*

*Constraints:*

*Must be reserved by a participating business for a session in a conference. Back up equipment must be available. \*\*Notice that the definition of these objects is irrelevant, we just want access to an object’s availability.*

*Class Name:*

*Equipment;*

*Documentation:*

*Definition:*

*Presentation tools used during a session. This equipment can be broken, available, or in use.*

*Constraints:*

*Must be reserved by a participating business for a session in a conference. Back up equipment must be available.*

*Class Name:*

*Presentation;*

*Documentation:*

*Definition:*

*Lecture that occurs during a session at a conference that is part of an event that is relative to the event.*

*Constraints:*

*Special sessions require additional costs.*

*Class Name:*

*Registration Form;*

*Documentation:*

*Definition:*

*Gathers required information from the guest and the Participating business. It is presented at the time of registration for conferences.*

*Constraints:*

*Separate forms required for participating businesses and guests.*

*Class Name:*

*Roosevelt;*

*Documentation:*

*Definition:*

*Smallest conference room costing $300.*

*Constraints:*

*Amount of guests = 100*

*Class Name:*

*Room;*

*Documentation:*

*Definition:*

*Location within the conference center in which sessions are held.*

*Constraints:*

*N/A*

*Class Name:*

*Roosevelt;*

*Documentation:*

*Definition:*

*Smallest conference room costing $300.*

*Constraints:*

*Amount of guests = 100*

*Class Name:*

*Lincoln;*

*Documentation:*

*Definition:*

*Medium size conference room costing $400.*

*Constraints:*

*Amount of guests = 150*

*Class Name:*

*Resources;*

*Documentation:*

*Definition:*

*Encompasses equipment, rooms, and other miscellaneous items required to host the event.*

*Constraints:*

*Concurrent events must be allowed.*

*Class Name:*

*Washington;*

*Documentation:*

*Definition:*

*Largest conference room costing $500.*

*Constraints:*

*Amount of guests = 200.*

*Class Name:*

*Schedule of Sessions per Conference;*

*Documentation:*

*Definition:*

*Holds title, date, room name, room cost, equipment used, cost per guest, and the amount of the 1% charge for all presentations of a session. Shows/requires/modifies availability of conferences and equipment.*

*Constraints:*

*Concurrent events must be allowed.*

*Class Name:*

*Payment;*

*Documentation:*

*Definition:*

*The overall cost of a conference. Includes the cost per guest, the one percent of registration cost per guest, cost of the room, and the cost of the equipment.*

*Constraints:*

*Special sessions require additional costs. This payment goes to a participating business.*

*Class Name:*

*Special Session;*

*Documentation:*

*Definition:*

*A session classified as “special”.*

*Constraints:*

*Part of a conference. Requires special registration and payment.*

*Class Name:*

*Parallel Session/Concurrent Session;*

*Documentation:*

*Definition:*

*A session that occurs at the same time as another session.*

*Constraints:*

*No more than two concurrent sessions of this type on any given day. Part of a conference.*

*Class Name:*

*Afternoon Session;*

*Documentation:*

*Definition:*

*A session that occurs in the block of time after noon.*

*Constraints:*

*No more than two concurrent sessions of this type on any given day.*

Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Date** | **Reason For Changes** | **Version** |
| Jake Adkins | 3/6/15 | Creation of file and initial content | 1.0 |
|  |  |  |  |
|  |  |  |  |