**University Conference Center System (UCCS)**

**{Jake Adkins} Systems Engineer**

**Working-Level Integrated Product Team (WIPT) Use Case Specification**

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

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

**3. Critical Use Case Scenario Descriptions.**

1. *Register to Host Session* 
   * Purpose: This use case provides the explanation of the registration process for a session. The intended actor is a Participating Business.
   * Optimistic Flow
     1. A participating business selects an open session time slot from the schedule.
     2. The system collects the name of the business, the conference name, the room it is in, the session name, whether or not it is a special session, payment info, contact info
     3. The system enters this information into the record.
     4. The system presents a menu for the participating business to select what equipment will be used for this session
     5. The system enters this information into the database
     6. The system calculates the initial cost of the conference
     7. The system informs them of success and updates the record to reflect the newly scheduled session
   * Pragmatic Flow:

**Conditions triggering alternate flow:**

**Condition 1:** User closes system in the middle of the process; namely, before all <<SQL>> processes have finished

D1. The conference center employees will need to manually remove the database entry or run a utility that will be delivered with the system, time permitting.

D2. Perform step A.

**Condition 2:** A separate participating business is registering a session simultaneously and submits before the completion of a form in progress – altering the amount of available equipment, this causes an internal error upon submission.

D3. The business will need to resubmit their form

D4. If the actor needs the, now, unavailable equipment, they must select a new session time.

D5. Perform step A.

**Condition 3:** An internal database error occurs

D6. The business will need to contact the conference center.

**Condition 4:** The name of the conference that belongs to the session already exists.

D7. Add the session to the conference

1. *View Schedule for the Month*
   * Purpose: This use case provides the ability to look at all sessions scheduled for the current month of operation and some information about them. From here, an actor may choose to register their attendance to a conference, close the system, or schedule a conference as a PB. Anyone can use this portion of the system.
   * Optimistic Flow
     1. An actor executes the view schedule procedure
     2. The system uses SQL queries, php, JavaScript, and HTML, to build a calendar for the current month. Each scheduled session shows the start and end time of each session scheduled, the room it is in, the number of registered guests, and the conference it belongs too, for every day of the current month. Open session times display available equipment. If a session has the maximum number of guests, it cannot be selected.
     3. User closes system
   * Pragmatic Flow:

**Conditions triggering alternate flow:**

**Condition 1:** Actor selects a scheduled session

D1. Perform *Register to Attend Session*

**Condition 2:** Actor selects an unreserved session slot

D2. Perform *Register to Host Session*

**Condition 3:** An internal database error occurs

D3. The business will need to contact the conference center.

1. *Register to Attend Session*
   * Purpose: This use case provides guests the ability to register their attendance to a session. If it is a special session, they will need to enter their payment type. Gusts are the intended actors for this use case.
   * Optimistic Flow
     1. A guest executes the attend session procedure by selecting a session that isn’t full from the schedule
     2. The system checks to see if it is special
     3. See **Condition 1** or **Condition 2**
     4. Add one to the guest count of the session in the record
     5. Update actor with success
   * Pragmatic Flow

**Conditions triggering alternate flow:**

**Condition 1:** The session is special

D1. The actor enters payment information and contact information

D2. Perform D

**Condition 2:** The session is not special

D3. The actor enters contact information

D4. Perform D

**Condition 3:** The actor closes the program before the completion of the procedure

D5. If the actor closes the program at any point during execution, either they have registered for the session, or they haven’t. No exception handling action must be considered.

**Condition 4:** An internal database error occurs

D6. The guest will need to contact the conference center.

**Condition 5:** A separate guest is registering to attend a session simultaneously and submits before the completion of a form in progress – altering the amount of available seats, this causes an internal error upon submission.

D7. The actor will need to resubmit their form

D8. Perform step A

D9. If the session is now full, they will not be able to attend.

1. *Show Single Conference Schedule*
   * Purpose: This use case provides the ability to look at an overview for a selected conference. It shows all information the conference center has, to date, about the event. Anyone can use this portion of the system.
   * Optimistic Flow
     1. An actor selects a conference from a list and initiates the view individual conference schedule procedure
     2. The system searches the record database for sessions with instances of that conference name, and builds the table shown in the original PD.
     3. The system uses the information it has to calculate the cost of the conference
     4. The system displays the information to the actor, and/or saves the generated document.
   * Pragmatic Flow

**Conditions triggering alternate flow:**

**Condition 1:** An internal database error occurs

D1. The actor will need to contact the conference center.

1. *View Record*
   * Purpose: This use case provides the ability to look at an overview for all conferences in the system, past and present. It shows all information about all events. The intended actor for this use case is a conference center employee.
   * Optimistic Flow
     1. A conference center employee executes the view record procedure
     2. The system performs *Show Single Conference Schedule* for each conference in the database
     3. Actor closes system
   * Pragmatic Flow

**Conditions triggering alternate flow:**

**Condition 1:** An internal database error occurs

D1. The actor will need to contact the conference center.