**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 adds the session to a new conference and adds the conference to the Record.
     7. The system calculates the initial cost of the conference
     8. 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.

(Implies use of CC employee terminal)

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

D7. Add the session to the conference  
**Condition 5:** The name of the session already exists

D8. Require the user to rename the session

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 requests to the database Record class, to build a calendar-like webpage 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 all currently scheduled sessions in the month. If a session has the maximum number of guests, a guest cannot register for it.
     3. System creates the UCCS\_Calendar.html
     4. User opens file
     5. User closes system
   * Pragmatic Flow:

**Conditions triggering alternate flow:**

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

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

(Implies use of CC employee terminal)

1. *Register to Attend Session*
   * Purpose: This use case provides guests the ability to register their attendance to a session. They will enter their payment information; however, they will only be charged if it is a special session. Gusts are the intended actors for this use case.
   * Optimistic Flow
     1. A guest executes the attend session procedure
     2. The system gathers the information from the user
     3. If the session is special, charge the user
     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:** An internal database error occurs

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

(Implies use of CC employee terminal)

**Condition 2:** 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.

D2. The actor will need to resubmit their form

D3. Perform step A

D4. If the session is now full, they will not be able to attend.

**Condition 3:** A session is full when the guest attempts to register.

D5. The guest is prompted that the request to attend has failed, and

they will be unable to attend the session.

**Condition 4:** The session does not exist in the system.

D6. The user will have to enter a new search query.

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 the instance of that conference, and builds the table shown in the original PD by accessing the sessions contained within that Conference object.
     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 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.

(Implies use of CC employee terminal)

**Condition 2:** The conference is not found

D2. The actor will need to enter a different search query.

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. Anyone can use this part of the system.
   * Optimistic Flow
     1. An actor 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.

(Implies use of CC employee terminal)