**For Estimating the work, its important that we break down user stories and assign Story Points and then do a bottom-up analysis to come up with the task needed in hours.**

**DHS User Story 1 - Conference Room Reservation System**

Currently in order to reserve a conference room, the requestor must call a help desk to secure a room. The business has three buildings, which have available space for conference room reservations. There are 10 rooms in each building that can be reserved. Each conference room has an occupancy limit of 10 people. Outside the door of each conference room is a touch screen display that lists the conferences scheduled for that room. The display includes the following: a) time of reservation; b) title of the conference; and c) the requestor in the format of *“0000-0000 Conference* *Title Lastname”*.

User Story 1.1 : As a **Requestor**, the display panel (vendors are only required to simulate data payload) are outside of the conference room shall present/display conferences scheduled for that room and day in the format of *“0000-0000 Conference Title Last name”*. The display panel shall utilize API for the query service for updates.

**Acceptance Criteria:**

1. Requestor is able to see updated conference room schedule in the above-defined format displayed on the panel (through simulated data payload).

Analysis:

* Epic Name: Panel Report
* Total number of user stories: 1
* Can we or should we break them further: No

DHS-USCIS Story 2:

As an Administrator, I shall be able to Add/Modify/Delete users, update conference rooms, and change the Audio/Visual equipment list.

* 1. Administrator is able to add, modify, and delete conference room users.
  2. Administrator able to update available conference rooms.
  3. Administrator able to update the A/V equipment list. (Each room has the same equipment. However, the administrator or A/V engineer can take items out of service for maintenance and return items to Service.) (Administrator is able to update availability of conference rooms, and A/V equipment list.)
* User Story 2.1
  + As a Administrator
  + I can access user administration
  + So that I can add users
* User Story 2.2
  + As a Administrator
  + I can access user administration
  + So that I can modify users
* User Story 2.3
  + As a Administrator
  + I can access user administration
  + So that I can delete users
* User Story 2.4
  + As a Administrator
  + I can update conference room status
  + So that I can make conference rooms available and unavailable for some reason.
* User Story 2.5
  + As a Administrator
  + I can update A/V List available status for the conference room
  + So that I can make changes to available A/V list for a conference room.

DHS-USCIS Story3:

As a reservation Manager, I shall be able to access to a report for occupancy and vacancy rate of each conference room, which is exportable with data depicted as a histogram.

* Reservation Manager is able to create detail online reports including the ability to export data including graphs that shows the occupancy and vacancy rate for each conference room. (The intent is to enable web-based reports that can be generated/viewed online via the application, and can be exported to CSV, JPG, PDF, or PNG.)
* User Story 3.1
  + As a Reservation Manager
  + I can access conference Room Report
  + So that I can see occupancy and vacancy rate of all conference room.
* User Story 3.2
  + As a Reservation Manager
  + I can access conference Room Report
  + So that I can see occupancy and vacancy rate of a conference room.
* User Story 3.3
  + As a Reservation Manager
  + I can export/download a report
  + So that I can save them as CSV
* User Story 3.4
  + As a Reservation Manager
  + I can export/download a report
  + So that I can save them as PDF
* User Story 3.5
  + As a Reservation Manager
  + I can export/download a report
  + So that I can save them as JPG
* User Story 3.6
  + As a Reservation Manager
  + I can export/download a report
  + So that I can save them as PNG

DHS-USCIS Story 4:

As a Requestor, I shall be presented if I attempted to book **same conference rooms** at the same time. (Detech scheduling conflict.) The intent is to detect scheduling conflicts and prevent the same conference room from being double booked. Unavailable rooms should not be offered/presented to Requestor for selection.

* + Requestor is presented a graceful message notifying scheduling conflict when attempted for scheduling a conference room.
  + The system should detect scheduling conflicts.
* User Story 4.1
  + As a Requestor
  + I can book available rooms only and should get graceful message if I try to double book the same conference room at same time
  + So that I cannot double book it.

DHS-USCIS Story5:

As a requestor, I shall have information about the conference room presented during the reservation process: building, room number, and available A/V equipment.

* + Status of a conference room presents the following information:
    1. Building
    2. Room
    3. Available A/V equipment
* User Story 5.1
  1. As a Requestor
  2. I can book a conference room by Selecting Date and Time slot
  3. So that I can select from list of available rooms (Building#, Room#) with A/V Equipment list.

DHS-USCIS Story6:

As Requestor, I shall be notified that scheduling a conference room is prevented for reservations exceeding three hours.

* + Requestor is presented a graceful error message when a Requestor attempts to schedule a conference room for more than 3 hours.
  + The system only allows scheduling of conference room up to maximum of 3 hours.
  + The system gracefully recovers the attempt.

A user could reserve a conference room for 3 consecutive hours. The error check is for a user that attempts to reserve for greater than a 3 hours block. The user could schedule 4 one-hour meetings in a day.

* User Story 6.1
  1. As a Requestor
  2. I can book available rooms not to exceed 3 consecutive hours, and will get graceful error message when trying to do so and allowed to fix the duration.
  3. So that we can use conference rooms effectively