Web Application for Outreach Events at

University of Wyoming

**About:**

UW’s Engagement Task Force was launched in August 2017 to develop a plan for strengthening the University of Wyoming’s mission as a land-grant university and to collaborate with constituents and partners to improve and enhance the health and well-being of the state’s communities and environments. This task force responded to the third “impacting communities” goal of our new strategic plan, Breaking Through: 2017-2022, to cultivate a community of learning energized by collaborative work among students, faculty, staff and external partners, which is committed to active outreach and clear communication with our extensive communities. Part of this is to develop a web application for the university which will be used for registering events that will be held with the university partnership anywhere in the united states.

**Scope of the Project:**

Anyone from the University of Wyoming should be able to register the event who in this case is called the organizer. After registering the event, the organizer will see the event information like event description, location, date and time of the event. The organizer should be able to update or cancel the event. He should be able to see the list of events as a list and also in a calendar view. In the list of events, organizer should be able to filter the events to view what he/she wants to view.

The Audience who doesn’t have login access to University of Wyoming organizer page should be able to see the events as a list and in a calendar view.

The Admin who has access to the records of all the events should be able to pull the report as per his/her needs. The report pulled up must come out as an excel sheet. We haven’t still discussed about the fields that will be available to the organizer or the admin for filtering of the events.

**Method:**

We are a team of 6 who met in the beginning of the project to discuss about scope of the project at University of Wyoming and we have been meeting since then once in 2 or 3 weeks to discuss about the progress of the project. During meetings we discuss about work that is done and corrections to be made to the work done like about fields about the event that should be there on the web page for registering the event. The functional team is working on getting the required data for the web page fields which have a drop-down list. The technical team which is me is working on developing web page based on the inputs given by the functional team. If I have any questions, I will reach out to the functional team to get it cleared. Since the beginning of the project I had 2 meetings with Jean, 1 meeting with IT dept. regarding the database and 2 meetings about the data required for web page. In the meetings with Jean we discussed about what needs to be done and how the web page design should look like in general. In the meeting with IT dept we discussed what kind of database should be used and how the tables in the database should be designed to accommodate the event information in a meaningful manner. The next 2 meetings were done with everyone in the team to discuss about the fields required for the event registration and values of those fields.

**Development:**

The database is developed in Oracle. I developed 2 tables; one table which has all the information about the events and the other one is about the people who has admin access. The development of events table is already done, and the admins table will be done after consulting the IT department at UW. Front end is being developed in HTML and JavaScript and backend is being developed using spring JDBC framework. I am using spring tool suite to develop spring code. During development the difficult part was getting the data required for web page fields like org, department and cities list. There are no difficulties at the technical end.

**Status:**

Database is developed and front-end user interface for the organizer is finished. Currently working on backend which connects front end to the database. I am hoping to finish organizer web page by the end of this week and admin web page by the end of this month.