

Online Event Schedule

REQUIREMENT DOCUMENT v1.0

Project Done By:

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PROJECT Objective:

- To implement and exercise various web technologies like JSP, J Servlets, AJAX, HTML, CSS and data structure like Hash Map by developing a web application.

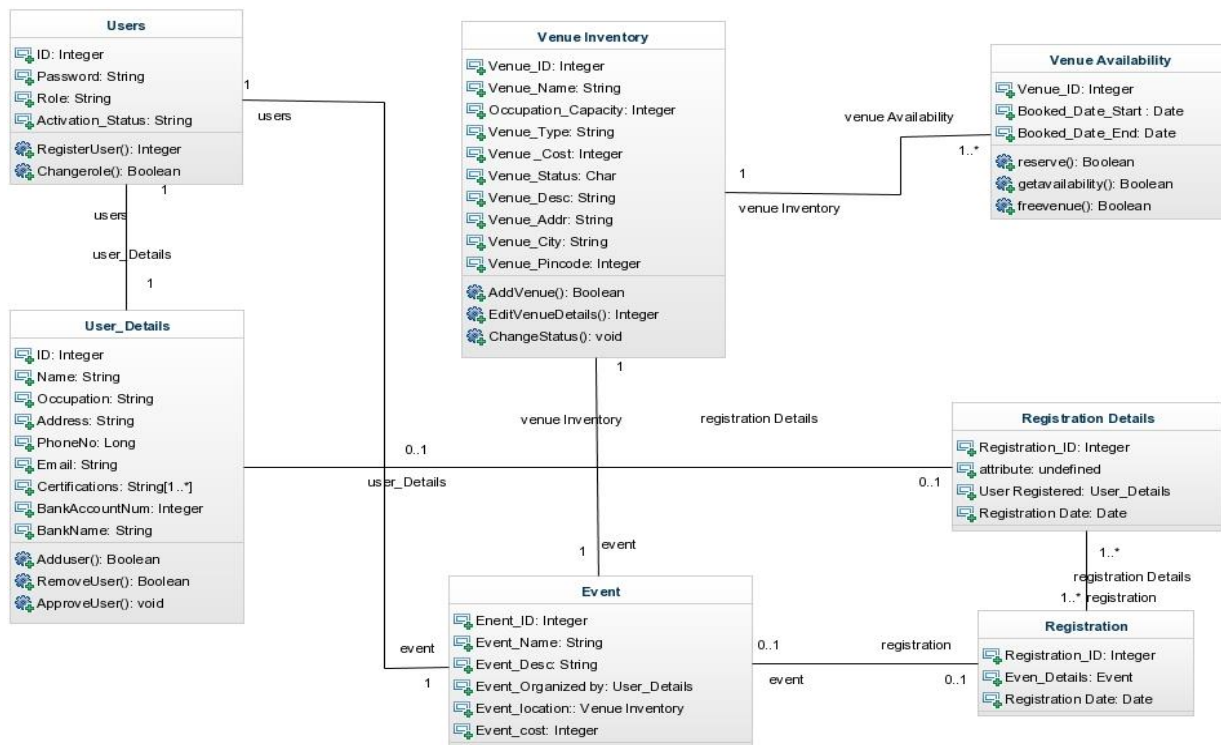
PROJECT OVERVIEW:

Online event schedule is a web application which mainly developed using JServlets which provides a platform to an individual to conduct any type of session in an available event venues in his city.

Software Requirements:

- SERVER: Apache TOMCAT 7.0.34, JDK 1.4 or higher
- TECHNOLOGIES USED: Servlets, JSP, Ajax, HTML,CSS
- DATASTRUCTURE USED:HASHMAPS

CLASS DIAGRAM:



FUNCTIONALITIES:

The three main functionalities of this application are

- Enable the site admin to add new Event Venues into his site so that any meeting organizers can request for it.
- Enable the Meeting organizers to add new events and make it available for a attendee to register for it.
- Enable the attendee to search for an event based upon an event name and register for it after he creates a profile

Application Users

The application have three users. They are

- Site administrator - Owner of the website
 - Organizers – Individual who organizes events
 - Attendees – Individuals who register and attend for events
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- Registration page is available to the users and the user can login as per their role
 - When the user logs in, they are taken to their respective webpages.

Functionalities as an Administrator:

- Add New Venue: Admin is given the privilege of adding the new venue by giving the Venue details
- Update Venue Details: Admin can update the venue details according to the requirements
- Remove Venue: Admin can delete the venues if not appropriate
- Approve Event Request: This user can also approve or reject the requests
- View Organizer: He can view the list of organizers
- View Attendee:

Functionalities as an ORGANISER:

- Create New Event – Create a new event which later is approved by admin
- Update Event – Update the details of an event
- Remove Event – Remove an event from the inventory
- View Attendee – View the list of attendees registered for his event

Functionalities as an ATTENDEE:

- View Events – Search for events based on event names
- My Events – View the list of registered events

IMPLEMENTATION:

A brief description how the major functionalities are implemented are explained below. Please refer the Output.PDF document for an screen view layout.

User Login: User Login is handled by the login.html. Each type of user have their own login page. The page check and validates the role and the login box he uses. If an admin tries to login as an attended the site throws an error.

The user details are stored in the LoginDo Class. Array of this class object is stored into an serializable File. The page validation are done using the LoginSignup.jsp

Event Details: New Events are created by the organizers. This details are stored in Events class. Array of this class object is stored in an Hasp Map called Venuemapserlzd. This Hasp map is written into a serializable file called venue. The servlet EvenDetails.Java and Venude Details.java are the two servlets which mainly handles the event details.

VenueDetails: The event details are stored in class called events. Array of object of this class stored in serializable hashmap called VenueMap. VenueDetails.java add and update the venue details.

User Event Registration: The user event resgistration are handled in JSP. This details are combinely stored as a Hashmap in to a serializable file.

Usage of JSP in the application: Mainly all the pages that read and display data from the Hashmap structure is done using JSP. For example View attendees, View presenter etc.

References: www.w3schools.org