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**BATCH: 0905-E**

**GROUP CODE: GROUP 3**

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# Introduction

The thirst for learning, upgrading technical skills and applying the concepts in real life environment at a fast pace is what the industry demands from IT professionals today. However busy work schedules, far-flung locations, and unavailability of convenient time-slots pose as major barriers when it comes to applying the concepts into realism. And hence the need to look out for alternative means of implementation in the form of laddered approach.

The above truly pose as constraints especially for our students too! With their busy schedules, it is indeed difficult for our students to keep up with the genuine and constant need for integrated application which can be seen live especially so in the field of IT education where technology can change on the spur of a moment. Well, technology does come to our rescue at such times!

# Existing Scenario

The customer is a marketing agent of an internet marketing company, who provides different services like dial up services and the broadband services. They want a website for the interactive and entertainment purpose of the Employees.

# Customer Requirement Specification

The customer wants the application to perform the following tasks:

Non-Financial:

1. The portal will have the following logins:
   1. Admin
   2. Employee
2. The admin will have the authority to create and delete the profile of an employee.
3. The employee profile once created, can login in to the site through the user name and the password provided.
4. On the home page of the website, the details of the upcoming events like meetings, games, competitions, etc. in the company will be displayed in brief.
5. To encourage the employees and to build a friendly rapport in the company they started conducting games and distributing the prizes.
6. The home page should also include the winners details of the events conducted recently.
7. The admin will have the right to accept the participation request based on the requirement.
8. Also the application should have a reminder, which will remind about the birthdays of the day. And this reminder should be active for all the user logins (admin, and employee).
9. Once the employee logins into the site, how will be able to send his request for the participation in any of the events.
10. He can also view the details of the events in detail.
11. The site should also contain the FAQ s like
    1. How to participate in the events?
    2. What if I am unable to login into the site?
    3. What if I am unable to send the participation request for the event?
    4. How can one be intimated with the upcoming events?
12. There should be a contact and support page where the details of the people to be contacted, etc. to be displayed.

# Functional Requirement Specification

The Blue Pumpkin website needs to be developed based on the following requirements:

* 1. **Employee**
     1. **Employee can view company’s information**

1. Display the company’s information.
   * 1. **Employee can login as Employee role or Admin role**
2. Employee can use Username and Password provided by admin to login into the website.
3. System must recognize the account’s type to display the right pages:

* Employees login as employee role can only access to pages they have permission.
* Employees login as admin role will be forwarded to administration pages to maintain system.
  + 1. **Employee can edit their profile information**

1. Employees can view and edit their personal information.
2. Employees can View the events that they have joined.
   * 1. **Searching events**
3. Provide a search engine to search events.
4. Provide some ways to search by entering keywords, listing the newest events or events with many participants and so on.
5. Search results list general information about each event and provide a link to view details.
   * 1. **Employee can view details of event**
6. Employee can view event details such as description, number of participants, prizes, etc.
   * 1. **Employee can send request to register event**
7. System displays the form that allows employee to send request to register the event that hasn’t passed the deadline and that event hasn’t registered by that user.
   * 1. **Employee can cancel the event register**
8. Employee can cancel the registered event after the registered event has been approved and the event deadline is not expired.
   * 1. **Employee can view another employee’s information**
9. Employee can view another employee‘s information: Username, email, department.
   * 1. **Employee can proposes the new event**
10. Employee can proposes the information about new events that they want to hold in future with main information:

* Event’s name.
* Event’s content.
* Event’s purpose, mean.
  + 1. **Employee can view FAQs**

1. Employee can view FAQs.
   * 1. **Supporting**
2. Employee can view supporting page with admin contact, etc.
3. Employee can send the supporting question.
   1. **Administrator**
      * 1. **Administrator can manage account**
4. Administrator can manage an account by creating new account, blocking/unblocking account.
   * + 1. **Administrator can manage events**
5. Administrator can create an event.
6. Administrator can update event information
   * + 1. **Administrator can cancel events**
7. Administrator can cancel event if it meets the condition (such as the number of participants is less than one third of the total).
   * + 1. **Administrator can accept/decline the events which are proposed by the employee**
8. Administrator can accept or decline proposed event.
9. System will automatically display the upcoming approved events.
   * + 1. **Administrator can manage the type of event**
10. Administrator must provide event type information.
11. Administrator can create, update or delete event type.
    * + 1. **Administrator can manage the prizes of event**
12. Administrator can manage the prizes of event such as inserts, deletes, and updates the prizes of game.
    * + 1. **Administrator can update the mark of competitors**
13. During the competition occurs, administrator must update the mark of competitors for system to identify the winners at the end of the competition.
    * + 1. **Manage FAQs**
14. Administrator can add, modify, publish or delete these.
    * + 1. **Manage company’s information**
15. Provide a page to allow admin to update company’s information.
    1. **System**
       1. **System reminds birthday**
16. The system show list of users who has birthday same as current date.
    * 1. **System publishes upcoming events**
17. The system will publish the new events three days before they start.
    * 1. **System publishes the winner of event**
18. System publishes winners (together with his/her prize) of recent event on homepage after the event has been finished.
    * 1. **System accepts/decline the event register**
19. System accepts the registration only if the register date is not end; the number of participant isn’t full.

# System Requirements

* + 1. **Hardware**
       1. **Web Server**

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| --- | --- |
| **Processor** | Pentium IV or higher. |
| **Memory** | 1GB RAM or greater. |
| **Modem/ADSL** | Connecting to internet 24/24 |

* + - 1. **Client**

|  |  |
| --- | --- |
| **Processor** | Pentium IV or higher. |
| **Memory** | 512MB RAM or greater. |
| **Monitor** | Super VGA (800x600) or higher resolution with 256 colors. |
| **Pointing Device** | Standard mouse or compatible pointing device. |
| **Modem/ADSL** | Connecting to internet. 254Kb/s |

* + 1. **Software**
       1. **Web Server**

|  |  |
| --- | --- |
| **Operation System** | Windows XP |
| **Browser** | Internet Explorer 7.0 or higher. |
| **Database** | Microsoft SQL Server 2005 |
| **Software** | Java SDK 1.6 |
| **Vendor** | Jboss 4.2.3 GA |

* + - 1. **Client**

|  |  |
| --- | --- |
| **Operation System** | Windows XP or later. |
| **Browser** | Internet Explorer 6.0 or higher. |

# Development Software

* Eclipse.
* Microsoft SQL Server 2005

# Technology

* JSP + Servlet + EJB
* J2EE 1.4

# Task sheet Review 1

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| --- | --- | --- | --- | --- |
| **No** | **Title** | **Start Date** | **Finish Date** | **Name** |
| 01 | Analysis | 02 June 2011 | 08 June 2011 | All of group |

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| --- | --- | --- |
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| **Date** | 0 June 2011 | 0 June 2011 |