

"HOTEL MANAGEMENT SYSTEM "

A PROJECT REPORT

Submitted in partial fulfillment for the award of the course

SOFTWARE PROJECT MANAGEMENT (SWE2006)

By

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Under the guidance of

Prof.Charanya.R



VIT[®]
UNIVERSITY
(Estd. u/s 3 of UGC Act 1956)

School of Information Technology & Engineering

MARCH 2018

SLOT: F1

WINTERSEM-18

DECLARATION BY THE CANDIDATE:

I hereby declare that the project report entitled “**HOTEL MANAGEMENT SYSTEM**” submitted by us to SITE, VIT University, Vellore in partial fulfillment of the requirement for the award of the **SOFTWARE PROJECT MANAGEMENT** is a record of bonafide project work carried out by us under the guidance of **Prof.Charanya R.** I further declare that the work reported in this project has not been submitted and will not be submitted, either in part or in full, for the award of any other course in this institute or university.

Signature of the Candidates

KARTHIKEYAN.K
D.HARISHKUMAR

Signature of faculty

Prof. Charanya

ACKNOWLEDGMENT:

The student is free to acknowledge all those feels he should acknowledge on the basis of the guidance and help provided during the implementation of the project. If the student has conducted his project elsewhere appropriate acknowledgement should be given to all concerned. It is customary to acknowledge the University Management/respective school Dean for giving the candidate an opportunity to carry out his/her studies at the university.

Signature of the Candidates

KARTHIKEYAN.K
D.HARISHKUMAR

ABSTRACT:

Our project is performed on the software PM tool **Orange scrum**, the tool is used to implement project management activities like scheduling and performing task for projects, assigning projects, managing calendars and attaching files etc. In this project, we have incorporated the **Hotel management system** using Orangescrum.

INTRODUCTION:

ABOUT THE CASE STUDY:

(Hotel Management System)



REVIEW 1-WINTER 2017-18

MTECH-(SOFTWARE ENGINEERING)

PROJECT BASED COMPONENT

SWE2004-SOFTWARE ARCHITECTURE AND DESIGN

Slot D2

Hotel Management System

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14/02/17

HOTEL MANAGEMENT SYSTEM

DETAILED DESCRIPTION

Travel and tourism is a booming industry today. Technology has connected cities and destinations across different countries and brought them closer. The number of people traveling across different places has increased. Now, whether on a business trip or vacationing with family, everybody needs a place to stay and unwind. But it can be a pain in the neck sometimes getting the information about the hotels that suit your budget and then getting bookings done. Online Hotel Reservations are becoming popular method for booking hotel rooms. Travelers can book rooms from home via their home computer by using online security to protect their privacy and financial information and by using several online travel agents to compare prices and facilities at different hotels. Prior to the internet, travelers could write, telephone the hotel directly or use a travel

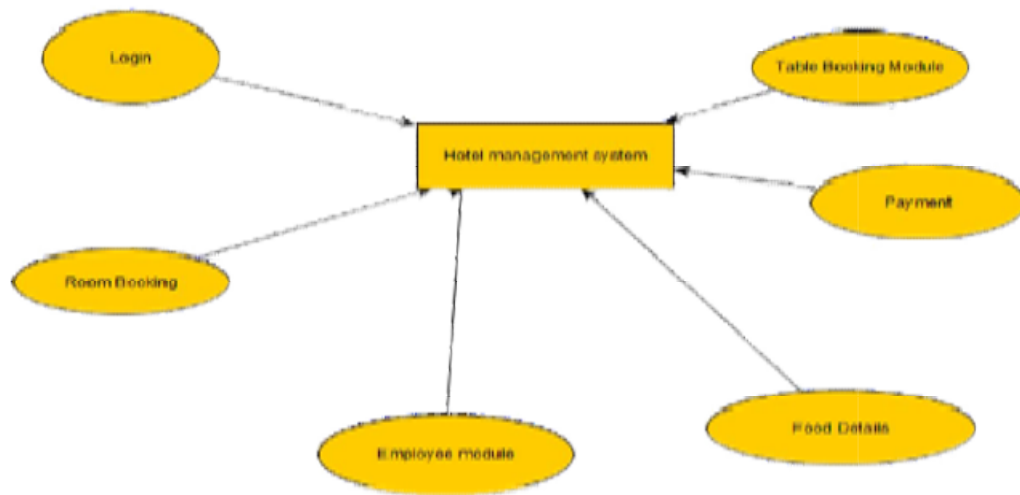
agent to make a reservation. Nowadays, online travel agents have pictures of hotels and rooms, information on prices and deals, and even information on local resorts. Many also allow reviews of the traveler to be recorded with the online travel agent. Online reservations are also helpful for making last minute travel arrangements. Hotels may drop the price of a room if some rooms are still available. There are several websites that specialize in searches for deals on rooms. Large hotel chains typically have direct connections to the airline national distribution systems (GDS) (Sabre, Galileo, Amadeus, and Worldspan). These in turn provide hotel information directly to the hundreds of thousands of travel agents that align themselves with one of these systems. Individual hotels and small hotel chains often cannot afford the expense of these direct connections and turn to other companies to provide the connections.

Several large online travel sites are, in effect, travel agencies. These sites send the hotels' information and rates downstream to literally thousands of online travel sites, most of which act as travel agents. They can then receive commission payments from the hotels for any business booked on their websites. People can book directly on an individual hotel's website. An increasing number of hotels are building their own websites to allow them to market their hotels directly to consumers. Non-franchise chain hotels require a "booking engine" application to be attached to their website to permit people to book rooms in real time. One advantage of booking with the hotel directly is the use of the hotel's full cancellation policy as well as not needing a deposit in most situations. To improve the likelihood of filling rooms, hotels tend to use several of the above systems. The content on many hotel reservation systems is becoming increasingly similar as more hotels sign up to all the sites. Companies thus have

to either rely on specially negotiated rates with the hotels and hotel chains or trust in the influence of search engine rankings to draw in customers. The ultimate service provided by these companies to the hotels and the online consumer is that they provide a single database from which all reservation sources draw immediate room availability and rates. It is very important that hotels integrate with all the supply channels so that their guests are able to make accurate online bookings. There are many ways of making the online reservation; most of the online reservation systems use the centralized GDS system for making the reservation with the hotel directly. Examples of the GDS are Sabre, WorldSpan, Travelport. The online hotel reservation through GDS is just the tentative reservation, means that you do not need to pay at the time of reservation, instead pay at the time of check in or check out.

Modules of Hotel management System

- ❖ LOGIN
- ❖ REGISTRATION(Sign Up)
- ❖ ROOM BOOKING MODULE
- ❖ PAYMENT
- ❖ TABLE BOOKING MODULE
- ❖ EMPLOYEE MODULE



TASKS OF HOTEL MANAGEMENT SYSTEM SYSTEM:-

Requirement Elicitation And
Analysis Architectural Designing

Creation Of Home Page

Add/Edit/Delete employee details.

Customer Activities

Employee Database

Customer Services

Testing And Integration

Deployment

TASK IN ORANGESCUM:-

We can create the tasks of hotel system using orange scrum. For each task we can set the start and completion date of the project. We can assign the task to our project team members using orange scrum. The above specified tasks are discussed here.

TASKS INVOLVED IN HOTEL MANAGEMENT

SYSTEM:-TASK-1

The task-1 is Requirements elicitation and analysis. Here, the Requirements is also verified and validated.

Task -2

The task-2 is Designing and framing the suitable Architectural Styles for the Hotel Management System.

Task – 3

The task -3 is Creation Of Home Page. The Home page describes the purpose of Website. The links to all the modules are contained here.

Task-4

The task – 4 is Select Department. Here, Dining Services, Room Catalogues, Room Cleaning Service takes Place

Task -5

The Task-5 is Employee Section. Here the Details of Employees are added , modified and removed by the admin.

Task - 6

The Task – 6 is for Customer Activities. Activities like creating an account, logging in , booking a room, making online payments are done here.

Task – 7

The Task – 7 is for creating the Employee Database. Here , the details of Employee like Employee ID, Name , phone Number, Address, Occupation are stored.

Task – 8

The Task – 8 is for designing test cases for the whole project

Task - 9

The task-5 is the **testing section** where testing is done and reports are produced by testing team

Task -10

The Task -10 is the Integration and deployment where every module is integrated and after successful documentation the project product is implemented by steering committee or project manager to client. The task-10 occurs after all the tasks are completed and task-1 occurs before all tasks are started.

NOTIFICATIONS:-

The hotel system team members can get notifications about any task assigned to them by project manager in orange scrum. orange scrum notifies you in your orange scrum login notification part about the task give to you. The notification also notifies finished, ongoing and upcoming tasks.

ACTIVITY:-

How much we completed the project we get notified in activity section in orange scrum. You can tell your task progress in this activity section to others. More you can comment your views which will be visible to all. Our hotel system progress is known from here.

ATTACHMENTS:-

The required documents can be attached in the entire task performed. The attachments of description about the task, your comments, and documents can be updated in the tasks. This is an important advantage in orange scrum. All hotel system attachments is done here.

MY WORK:-

In my work session what are the works in this system we have to do and if any work is pending you will notified through email which you have signed up.

Project Schedule

Development phase	Start date	End date
1.Requirements elicitation and analysis(5)	19-03-18	23-03-18
2.Design(10)	23-03-18	27-03-18
3.Creation Of Homepage	27-03-18	30-03-18
4.Customer Services	29-02-18	1-04-18
5.Employee Section	02-04-18	06-04-18
6.Customer Activities	6-04-18	9-04-18
7.Test Case Design	9-04-18	10-04-18
8.Test Case Implementation	10-04-18	14-04-18
9.Employee Database	28-03-18	29-03-18
10.Integration and Deployment	14-04-18	17-04-18

TOTAL BUDGET=50000

MODULES:-

1.Requirements elicitation and analysis

NUMBER OF EMPLOYEE-1

Assigned to – Sanjay

Budget -5000

2.Design

NUMBER OF EMPLOYEE-1

Assigned to – Harish
Budget -7000

3.Creation Of Homepage

NUMBER OF EMPLOYEE-
1 Assigned to –
Karthikeyan Budget -5550

4.Customer Services

NUMBER OF EMPLOYEE-
1 Assigned to –Sanjay
Budget -4450

5.Employee Section

NUMBER OF EMPLOYEE-
1 Assigned to –
Karthikeyan Budget -4000

6.Customer Activities

NUMBER OF EMPLOYEE-
1 Assigned to –Sanjay
Budget -6000

7.Test Case Design

NUMBER OF EMPLOYEE-
1 Assigned to – Harish
Budget -2500

8.Test Case Implementation

NUMBER OF EMPLOYEE-
1 Assigned to –Sanjay
Budget -7500

9.Employee Database

NUMBER OF EMPLOYEE-
1 Assigned to –Harish
Budget -2500

10.Integration and Deployment

NUMBER OF EMPLOYEE-

1 Assigned to –Karthikeyan

Budget -7500

ABOUT THE TOOL:

ORANGESCRUM:

What is OrangeScrum?

OrangeScrum is a task management, collaboration, and project management software combined, providing project managers and teams with an effective platform to help them perform their functions efficiently and improve productivity. The software helps in centralizing all your projects and tasks as well as managing your resources, from people, processes, and technology so that you are able to finish your project in time and without compromising its quality.

OrangScrum is also equipped with time tracking capability to help monitor your team members and how much time they spent on their tasks. It also provides you with real-time analytics on all areas of your projects as well as your members, delivering you a clear picture of your projects and enabling you to identify areas that require your concern and attention.

BENEFITS:

OrangeScrum simplifies the way project managers handle all aspects of their projects, from managing and delegating tasks, empowering team members to communicate and collaborate with each other, assigning the right resources to the right people and purpose, ensuring that budget is strictly implemented and all expenses are accounted for and more. By combining project management, collaboration, and task management into a centralized platform, OrangScrum allows managers to be in total control over their projects with just one application.

OrangeScrum is a perfect solution for managers who want total visibility on all aspects of their projects, personnel, resources, and budget to mention a few. The system enables project teams to work closely together with smarter and faster communications, file sharing capabilities, and quick access to information they need. For managers who struggle to align the performance of their teams with their business directives and organization goals, this platform is intended for you.

If you are working with a very diversified and geographically remote workforce, OrangScrum gives you the tools and features you need to bring them all together into a single page, where they can easily perform their tasks in collaboration with others without impeding their individual functions.

FEATURES:

- ✚ Interactive summary of Projects
- ✚ Visual Representation
- ✚ All in one screen
- ✚ Project Demonstrate
- ✚ Task Management
- ✚ Project Planning
- ✚ Gantt Charts
- ✚ Collaboration
- ✚ Reports & Analytics
- ✚ DropBox + Google Drive Integrations
- ✚ Real-Time Updates

FEATURES OF ORANGSCRUM IN DETAIL:

- Assign, schedule, collaborate and track tasks
- Automated time tracking for your team
- Check your Resource availability and resource utilization Schedule and create task dependencies
- Create your own workflow as per your business requirement
- Create, save and send accurate invoices to your customer/client.
- Information rich Kanban view for TO DO, In Progress and Pending tasks
- Get instant email notifications and reply on the go
- Get daily team update right in your inbox with Daily Catch-Up
- Easy to collaborate and brainstorm ideas, seek reviews & approvals instantly with the in-app chat
- Create and manage your team, tasks and projects on the go using Mobile apps

PROBLEM SOLVER-ORANGESCUM:

Many businesses still are not organized. And for their business process they use different apps for different processes. Using different apps for Task Management, Time Tracking, Collaboration, Reports & Updates etc means you lose time, business & cost.

But with Orangescrum's Task Management & Time Log; you can manage tasks, projects, tracking time, and invoice management in a single platform at Anytime, Anywhere! With Automated time tracking your invoice will be transparent and accurate to build trust & gain your customer's confidence & more importantly it increases your Revenue.

Problem 1: Is each of your Resources Available or overloaded or fully Utilized?

This is always a headache for Managers or Team Leads, No? Our most of time we chase our resources whether s/he is available or fully utilized or not, and by that process we lose our productive time. Isn't it? That is where Orangescrum helps you to check the Resource Availability and Utilization.

With the help of Time Log & Resource Availability feature you can check which resource is available for how many hours on which date, which resource is over loaded & over utilized. You can manage the leave planning of resources with this feature as well.

Problem 2: Struggling to monitor who's doing what and where they are?

It is always hard to know who is doing what and what the status of the task unless you all are on the same page. With Kanban, Gantt chart & Daily catch up, you'll have complete control of the project.

Be at the driver's seat always with Kanban view and Gantt Charts

Information rich display cards for TO DO, In Progress and Pending tasks
Highly interactive graphical view of multiple tasks, tasks dependencies and timelines on a single platform.

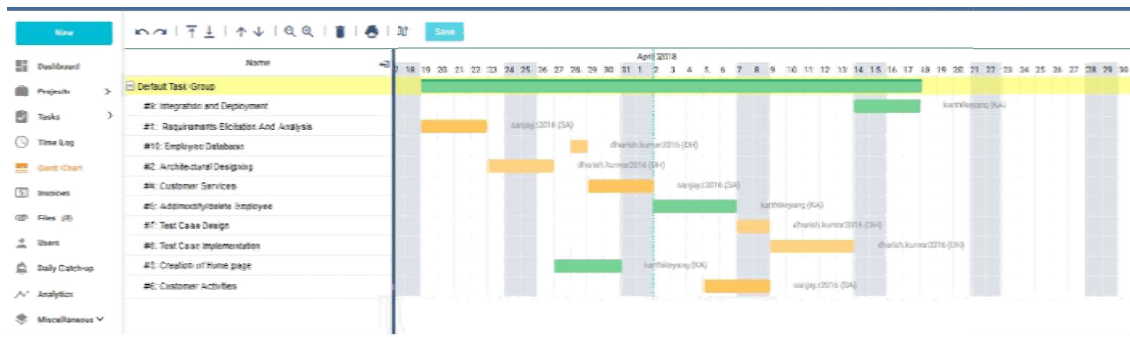
Easy to manage start and end date of task(s)

Information rich daily feeds delivered auto-magically – On Demand!

Schedule & receive daily project updates from all your teams.
Same time! Every time!

Save expensive loss of efforts and time spent on multiple reminders and unwanted update meetings!

SCREENSHOTS



Techk

INVOICE

Bill To

HM project customer:
xyz
street,vellor,Tamilnadu,India,632001

Invoice# : 1
Terms : Due on receipt
Invoice Date : Mar 20,2018
Due Date : Apr 05,2018

Date	Description	Qty	Rate	Amount
Mar 19, 2018	Requirements for Hotel management is gathered, analysed, verified and validated.	1	4,000.00	4,000.00
Mar 19, 2018	Here the designing and Architectural styles for the modules of Hotel Management are made.	1	4,000.00	4,000.00
Mar 19, 2018	The home page contains purpose of the website, login section, signup section, catalogues for rooms.	1	5,550.00	5,550.00
Mar 19, 2018	Add/Delete/Modify Employee	1	4,450.00	4,450.00
Mar 19, 2018	Here, Customer activities like signup, login, adding additional information for payments are done.	1	4,000.00	4,000.00
Mar 19, 2018	Creation of Test Case done here.	1	6,000.00	6,000.00
Mar 19, 2018	Here, The complete testing is done.	1	7,500.00	7,500.00
Mar 19, 2018	Here, the final product is integrated and released.	1	7,000.00	7,000.00
Mar 19, 2018	Add/Delete/Modify Employee	1	2,500.00	2,500.00
Mar 19, 2018	Details of Employee are Filed here (Employee database)	1	5,000.00	5,000.00

Subtotal	50,000.00
Discount	2,000.00
Taxes%	3,840.00
Total Amount	INR 51,840.00

Task Group

[illegible]

Managing all tasks

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CONCLUSION



Harishk

10 days left on your trial

New User

Active (3)

Invited (0)

Disabled (0)

Recent (0)

Client (0)

Dashboard

Projects

Tasks

Time Log

Gantt Chart

Invoices

Files (0)

Users

Daily Catch-up

Analytics

Miscellaneous

Owner

D

Dharish.kumar2016

OH

Last Activity

Today 10:11 am

Created

Mar 19, Mon 6:29 am

Email

dharish.kumar2016@vishalnet...

Projects

Hotel Management System

User

S

Sanjay.r2016

SA

Last Activity

No activity yet

Created

Mar 19, Mon 6:35 am

Email

sanjay.r2016@vishalnet.a...

Projects

Hotel Management System

User

K

Karthikeyan

KA

Last Activity

No activity yet

Created

Mar 19, Mon 6:40 am

Email

karthikeyan@gmail.com

Projects

Hotel Management System

Quick Tour

1 / 3 of 3

CONCLUSION:

If the entire process of “Hotel Management System” is done in a manual manner then it would take more time for the books or magazines to reach the applicant. Considering the fact that the number of students for Book Bank is increasing every year, an Automated System becomes essential to meet the demand. So this system uses several programming and database techniques, also project management techniques to elucidate the work involved in this process. The system has been carefully verified and validated in order to satisfy it.
