Project Management Document

Project Title : Hotel Automation System

Group 23 - Members :

Name	Student ID
Nishith Gohel (Team Leader)	201901122
Vedant Parikh	201901029
Hauzan Girach	201901114
Ketul Modi	201901124
Mansi Madhvani	201901194
Vishv Joshi	201901453

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Activity List and Project Plan :

Activity	Start Date	End Date	Responsible Person(s)
(a) Formulation of the problem			
(i) Reading relevant background information	22/03/2022	28/03/2022	Vedant, Hauzan, Mansi
(ii) Understanding and documenting the requirements	24/03/2022	7/04/2022	Everyone
(iii) Discussions	22/03/2022	14/04/2022	Everyone
(b) Designing a solution, documentation	2/04/2022	14/04/2022	Nishith, Vedant, Hauzan
(c) Relevant learning	8/04/2022	15/04/2022	Mansi, Ketul, Vishv
(d) Coding and unit testing	14/04/2022	30/04/2022	Everyone
(e) Documentation	24/03/2022	14/04/2022	Hauzan, Mansi, Nishith, Vedant,
(f) Testing	30/04/2022	2/05/2022	Ketul, Vishv, Vedant
(g) Reviews	12/05/2022	14/05/2022	Everyone
(h) Rework and debugging	1/05/2022	3/05/2022	Ketul, Vedant, Vishv, Mansi

Testing Strategy :

Test Case for User Login		
Steps	**Testing Procedure**	**Expected Results**
1)	User Enters the System	Views the home page
2)	If user is new then they are asked to sign up	Confirmation Email comes
3)	Enter Login details inside the login page	Validates information and allows user to enter the system
4)	Irrespective of whether the user is existing or new to the system, one can directly login through their Google, Microsoft or Yahoo account	User gets directly logged in without having to sign-up, in case if user is new

Test Case for Customer services		
Steps	**Testing Procedure**	**Expected Results**
1)	Search rooms according to the user availability	Shows the results of rooms which are available along with their pictures, features,reviews and prices.
2)	User Books a room	Confirmation Email/SMS to the user and hotel is also notified
3)	Customer demands room service	The staff is notified regarding the requests and they fulfill

		them according to the priority
4)	When User Checks out	Combined bill generation
5)	User cancels the reservation	Charge the penalty and mark the room/s as available
6)	Customer Feedback	Submit feedback during the time of checkout, through Email / SMS notification
7)	Provide Discounts	Maintains customer points based on frequency of visits.
8)	Provide Entertainment services	Books any entertainment facility asked by the customer like birthday parties, business parties, etc.
9)	Rejuvenating activities	Booking spa treatments for the customer and making the best arrangements for the treatment
10)	Restaurant	Discounts for table booking in the restaurant in the hotel to the customers and adding that up into the final bill

Test Case for management purposes		
Steps	**Testing Procedure**	**Expected Results**
1)	Manage room tariffs	Calculate occupancy rate and accordingly manager can adjust the room prices
2)	Business	Calculate total expenditure and earnings

3)	Customer Feedback Analysis	Give proper statistics of user feedback, so that the hotel could improve upon its hospitality services.
4)	Reception	Book rooms on the spot for the customers based on their preference
5)	Security System	Making an entry/exit list for the staff members of the hotel for the safety of the customers as well as the hotel belongings.