TEAM 4

OOPS LAUNDRY SERVICE

PROJECT

REOPORT

TEAM MEMBERS:

**Abstract of the project**

The objective of this project is to create a web application that will help a small-scale laundry service provider to maintain their customer details. The main motivation and ultimate motto of our team is to provide our client (a laundry service provider) with a user friendly and efficient system i.e., a web application that will help organize the information about his customers, clothes and transaction details.

The client for this project is Mr.N.V. Kishore Kumar. He is the laundry service provider at the Gents Hostel, SSN College of Engineering, Kalavakkam.

Making every effort towards customer satisfaction has always been our dictum. In that sense, we have analyzed the different requirements of our client and split this project into modules which are as follows:

They should be able to create/view/update their customer details in the system.

The system should generate a transaction slip with a unique ID when a customer deposits clothes for laundering.

The slip should contain details such as type of each cloth, the type of laundry required, cost, and delivery date.

The system should internally allocate clothes to appropriate service points and collect back all the clothes belonging to a particular customer.

A transaction should be closed when a customer makes the payment and takes delivery of their clothes.

The service provider should be able to generate daily reports.

**Introduction**

The ultimate goal of this project is to deliver a web application that is user friendly and enable our client, who is a laundry service provider to make his working atmosphere more organized. With this as our objective and customer contentment as our principle, we have developed this much needed software that will enable him to:

Register the details of new customers and store them permanently.

Input the number of clothes in each category (shirts, pants and bedspreads) that are to be washed/ironed/washed and ironed.

Generate a transaction slip with customer details, number of clothes, total cost and estimated delivery date.

Generate daily report to enable him analyze his daily sales and thereby make plans to expand his service.

Allocate the clothes to different service points and close transaction once payment is done.

**Requirements Engineering**

1. **Client details**

Name : N.V.KISHORE KUMAR

Phone number : 9710245514

Address: Gents Hostel, SSN College of Engineering, Kalavakkam

1. **List of all Functional modules.**

* Registration module
* Input number of clothes
* Generation of transaction slip
* Generation of daily report
* Allocation to service points
* Close transaction after payment and display service points status

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint #** | **Epic** | **User Story #** | **Requirement / User Story** | **Essential or Desirable** | **Description of the Requirement** | **Remarks** |
| 1  2 | Input details of customers |  |  |  |  |  |
| input number of clothes under each category | 2 |  |  |  |  |
| Calculate cost and display bill | 3 |  |  |  |  |
| REGISTRATION MODULE | 1 |  |  |  |  |
| INPUT NUMBER OF CLOTHES | 2 |  |  |  |  |
| TRANSACTION SLIP | 3 |  |  |  |  |
| DAILY REPORT | 4 |  |  |  |  |
| ALLOCATION TO SERVICE POINTS | 5 |  |  |  |  |
| CLOSE TRANSACTION AND STATUS OF SERVICE POINTS | 6 |  |  |  |  |

**Implementation and Risk Management**

**Name and Register number of the student: RAHUL**

**Role in the project:**

1. **Implementation**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sprint #** | **Epic** | **User Story #** | **Requirement / User Story** | **Remarks on implementation** |
| 1 | Registration | 1.1 | To register and store the details of a new customer. | This will help the service provider to maintain the details of the user |
|  |  |  |
| 2 | Order screen | 1.2 | To create a interface for the customer to place their order. | It allows the user to specify the type and number of clothes they want to Wash or iron  And place order. |
|  |  |  |

**<Implementation detail should be briefed elaborately for each requirement>**

1. **Risk Management [Sprint wise]**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Risk #** | **Risk Description** | **Probability** | **Impact** | **Mitigation Plan** |
| 1. | Unable to meet weekly targets | Fairly probable | Further plan of actions would need to be put on hold if the previous work is not complete. | To have practical and achievable targets. |
| 2 | Rework of a module | Fairly probable | Since we sometimes learn and implement newly learned tools .we may continue doing a module in a inefficient way and then later realize that a rework has to be done which consumes a lot of time | Research thoroughly about newly learned topics before implementing them. |
|  |  |  |  |  |

1. **Test Log report [Mention the test case that covers all user stories under each epic]**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **TC id** | **RS #** | **Test case description/ condition** | **Test case input** | **Expected Output** | **Result (PASS/ FAIL)** |
| 1 |  | During registration the email must contain a “@” symbol | Pass the input as “Rahul” | Throw an error  Saying email is invalid | pass |
| 2 |  | Phone number must contain only numbers and must have 10 digits | Pass the input as “raa” | Throws an error saying the number is invalid | **pass** |
| 3 |  | Roll number must conatin exactly 7 numbers and no alphabets | Pass the input as “gh7” | Throws an error saying the roll number is invalid | pass |

**Name and Register number of the student: SAI AKSHAYA**

**Role in the project:**

1. **Implementation**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sprint #** | **Epic** | **User Story #** | **Requirement / User Story** | **Remarks on implementation** |
|  | Module Name |  |  |  |
|  |  |  |
|  | Module Name |  |  |  |
|  |  |  |

**<Implementation detail should be briefed elaborately for each requirement>**

1. **Risk Management [Sprint wise]**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Risk #** | **Risk Description** | **Probability** | **Impact** | **Mitigation Plan** |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

1. **Test Log report [Mention the test case that covers all user stories under each epic]**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **TC id** | **RS #** | **Test case description/ condition** | **Test case input** | **Expected Output** | **Result (PASS/ FAIL)** |
|  |  |  |  |  |  |

**Name and Register number of the student: PRITHIK**

**Role in the project:**

1. **Implementation**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sprint #** | **Epic** | **User Story #** | **Requirement / User Story** | **Remarks on implementation** |
|  | Module Name |  |  |  |
|  |  |  |
|  | Module Name |  |  |  |
|  |  |  |

**<Implementation detail should be briefed elaborately for each requirement>**

1. **Risk Management [Sprint wise]**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Risk #** | **Risk Description** | **Probability** | **Impact** | **Mitigation Plan** |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

1. **Test Log report [Mention the test case that covers all user stories under each epic]**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **TC id** | **RS #** | **Test case description/ condition** | **Test case input** | **Expected Output** | **Result (PASS/ FAIL)** |
|  |  |  |  |  |  |

**Name and Register number of the student: SANTHOSH**

**Role in the project:**

1. **Implementation**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sprint #** | **Epic** | **User Story #** | **Requirement / User Story** | **Remarks on implementation** |
| 1 | Generation of cost |  | To display the cost of the bill | To get the input from the user to know the number of clothes allocated for washing and ironing and then compute the cost accordingly. |
|  |  |  |
| 2 | Daily report |  | to print the registration number and cost | To print the registration number of the customer and total price of the bill . |
|  |  |  |

**<Implementation detail should be briefed elaborately for each requirement>**

1. **Risk Management [Sprint wise]**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Risk #** | **Risk Description** | **Probability** | **Impact** | **Mitigation Plan** |
| 1 | Development of web application | Most probable | Delay in meeting the targets of sprint and hence the overall delay in finishing the sprint | It was as expected difficult to learn the new languages such as html , css and java script in a short period of time. Better efforts are being made to get a command over the language in near future |
| 2 | Unable to meet weekly targets | Most probable | Due to other commitments such as CAT examination , assignments our weekly targets were unachievable. This had an great impact on final submission of the project also | Extra efforts in the future must be put to meet them in the future. |
|  |  |  |  |  |

1. **Test Log report [Mention the test case that covers all user stories under each epic]**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **TC id** | **RS #** | **Test case description/ condition** | **Test case input** | **Expected Output** | **Result (PASS/ FAIL)** |
| 1 |  | While getting the registration number as the input, the system must reject any integer of length less than or more than seven as the length of the SSN registration number is equal to seven.  While getting the registration number as the input , the system must reject any string . | Any integer of length more than or less than seven is given as input  Any string is given as input | It should state that only a seven digit number must be given  It should state that only seven digit integer must be given | Pass  pass |

**Name and Register number of the student: PADHMA PRIYA**

**Role in the project:**

1. **Implementation**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sprint #** | **Epic** | **User Story #** | **Requirement / User Story** | **Remarks on implementation** |
|  | Module Name |  |  |  |
|  |  |  |
|  | Module Name |  |  |  |
|  |  |  |

**<Implementation detail should be briefed elaborately for each requirement>**

1. **Risk Management [Sprint wise]**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Risk #** | **Risk Description** | **Probability** | **Impact** | **Mitigation Plan** |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

1. **Test Log report [Mention the test case that covers all user stories under each epic]**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **TC id** | **RS #** | **Test case description/ condition** | **Test case input** | **Expected Output** | **Result (PASS/ FAIL)** |
|  |  |  |  |  |  |

**Name and Register number of the student: NARMATHA**

**Role in the project:**

1. **Implementation**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sprint #** | **Epic** | **User Story #** | **Requirement / User Story** | **Remarks on implementation** |
| 1 | Slip details | 6 | Type of laundry required | This is a basic requirement to be inputted from the user to know the work to be done |
|  |  |  |
| 2 | Allocation of job | 6 | Delete the allocated job once it is finished by the labor | Once the allocated job is done then it will be dequeued from the queue which make the queue efficient |
|  | Resize the queue if the queue is full | If the queue is full, then it will resize the queue to allocate the job |

**<Implementation detail should be briefed elaborately for each requirement>**

1. **Risk Management [Sprint wise]**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Risk #** | **Risk Description** | **Probability** | **Impact** | **Mitigation Plan** |
| 1 | difficulties in developing web application | Most probable | Delay in meeting the targets of sprint and hence overall delay in submitting the project | It was as expected difficult to learn the new languages such as html , css and java script in a short period of time. Better efforts are being made to get a command over the language in near future |
| 2 | unable to meet weekly targets | Most probable | Due to CAT exams and other assignments, weekly targets were unachievable due to busy schedule of members. This can have an impact on final submission target also. | extra efforts should be put in future to meet them |
|  |  |  |  |  |

1. **Test Log report [Mention the test case that covers all user stories under each epic]**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **TC id** | **RS #** | **Test case description/ condition** | **Test case input** | **Expected Output** | **Result (PASS/ FAIL)** |
| 1 |  | While getting input for type of laundry the system should reject anything except 1,2 or 3and also instruct the user to enter one of these | Any string or integer other than 1,2, or 3 is given as input | It should display the instruction that only 1,2, or 3 should be entered | Pass |

1. **Project Management [Sprint wise Burn-up and Burn-down chart]**

**[Generated from JIRA tool – Product requirement, Decision, Meeting Notes]**

1. **Project Outcomes [Screen shots and important code snippets with description and Client evaluation report (Page 3)]**
2. **Conclusion and Future Directions**

**[Challenges faced; what went right (as per plan); what went wrong (unplanned); lessons learnt; what courses that should be learnt to make this a better product (releasable in public domain)]**

1. **References (Any resource accessed for learning)**

**CLIENT EVALUATION REPORT**

**Name of the project:**

**Team Members:**

**Client details:**

**Rating System - 1: Strongly disagree 2: Disagree 3: Neutral 4: Agree 5: Strongly Agree**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Questions** | **1** | **2** | **3** | **4** | **5** |
| The problem was well discussed and, the requirements and goals were clear. |  |  |  |  |  |
| The project plan was well defined and communicated from the start. |  |  |  |  |  |
| The resources were adequate for achieving the goals. |  |  |  |  |  |
| The original timeline was realistic and was followed. |  |  |  |  |  |
| The teamwork was well demonstrated. |  |  |  |  |  |
| The client was communicated on regular intervals and given updates on the progress of the project. |  |  |  |  |  |
| The expected project requirements have been satisfied. |  |  |  |  |  |