

**IT3030**

**Programming Application and Framework**

**3rd Year, 1st Semester**

PAF Project

**SellNBuy e-commerce system**

Submitted to

Sri Lanka Institute of Information Technology

In partial fulfillment of the requirements for the

Bachelor of Science Special Honors Degree in Information Technology

20.05.2019

**Group details**

**Group Number: N3B-G7**

**Group Members with workload:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Name** | **IT Number** | **Function** | **Workload** |
| 1 | Weerasooriya M.N.H | IT16037816 | User Management | * User Loin * User Registration * View details * Delete and update users |
| 2 | Ekanayake E.M.W.C.L | IT17028424 | Shopping Cart - Admin | * Admin Loin * Insert, View, Update and Delete items |
| 3 | Atapattu W.A.M.P.G.S.C | IT17009782 | Shopping Cart - User | * User Loin * Insert, View, Update and Delete items |
| 4 | Priyadarshana G.V.I.G | IT17114486 | Payment | * View payments * Make payments * Update and Delete details |

**Acknowledgement**

When we embarked this project, it appeared to us as onerous task. Slowly as we progressed we did realize that we were not alone after all.

we wish to express our gratitude to our teachers as well as our staff who gave us the golden opportunity to do this wonderful project under the PAF Subject, We would also like to express our gratitude to everyone who extended their kind help, guidance and suggestion without which it could not have been possible for us to complete this project report. Our sincere thanks to my all entire faculty members.

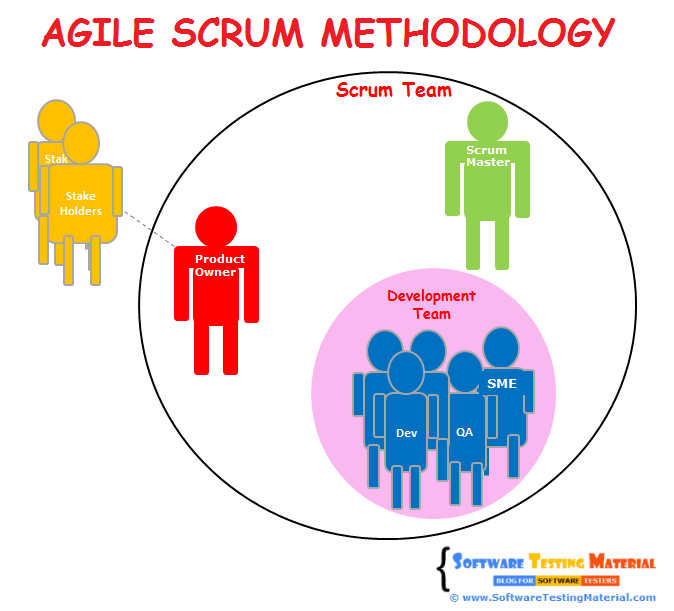
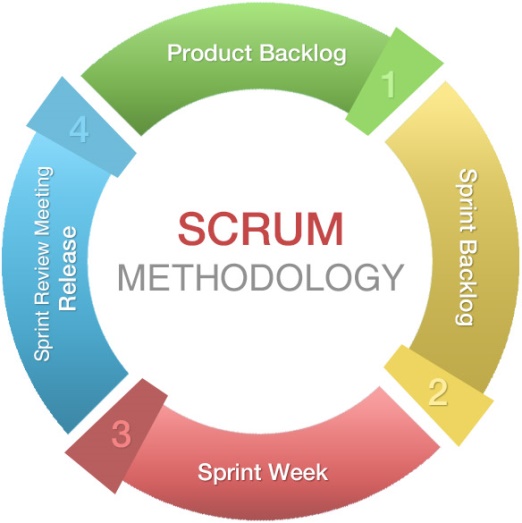
I would also like to express my deepest gratitude to all the members in our grope for successfully developing their systems on time and helping each other to successfully improve on the things each other was not capable of doing alone. It was a pleasure working with all the members of the group and we each consider very lucky to have worked together in completing this system and delivering it on time.

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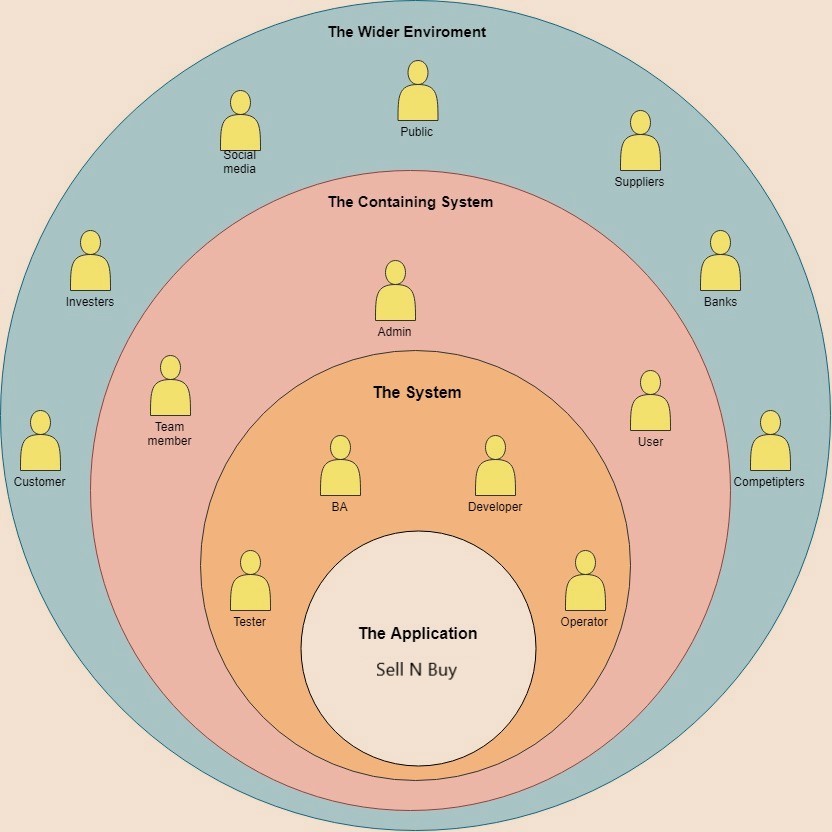
1. **SE Methodology**

* In here we used agile scrum methodology to build our project.
* It is easy way to build a system software for a given period.

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**2.Stakeholder Analysis (Onion Diagram)**

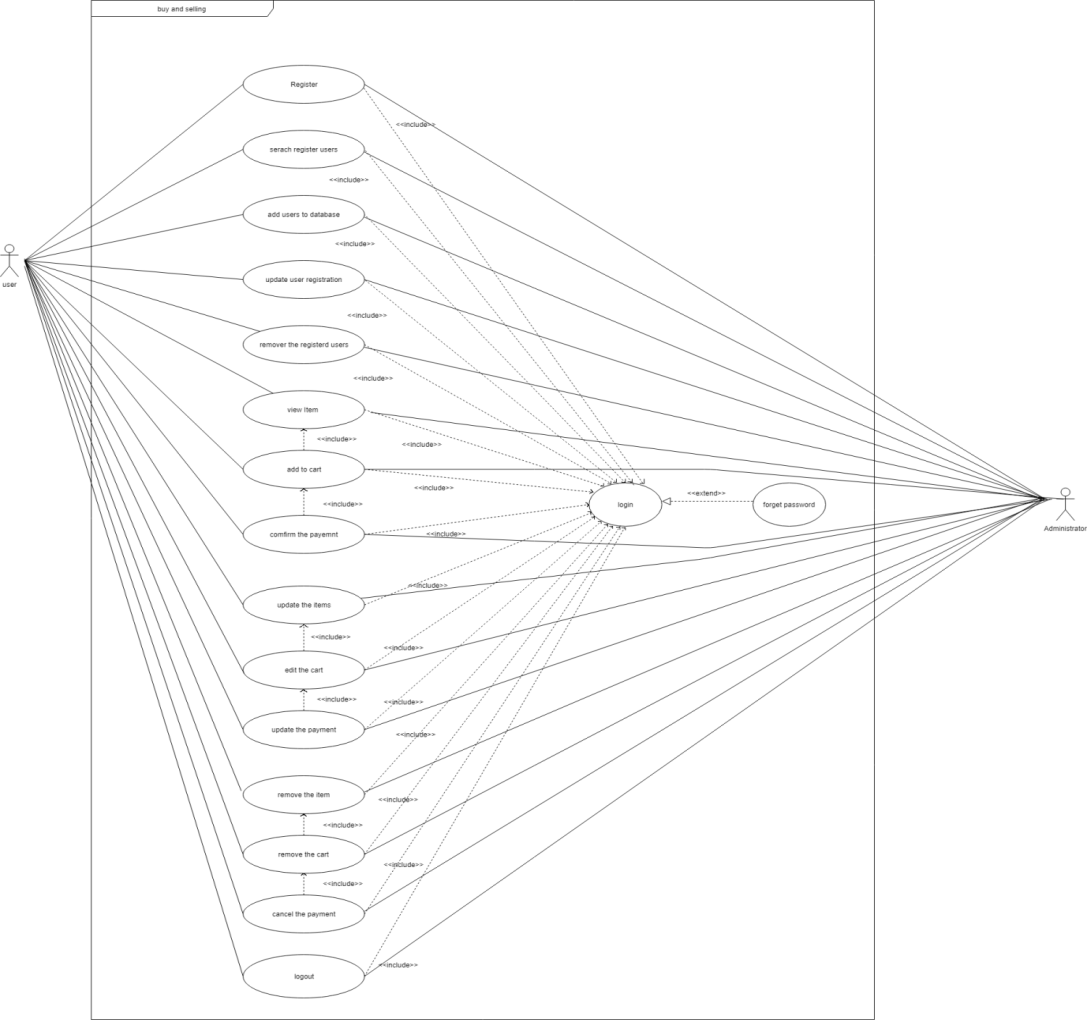
* This onion diagram shows the dependencies among parts of the project and organization.

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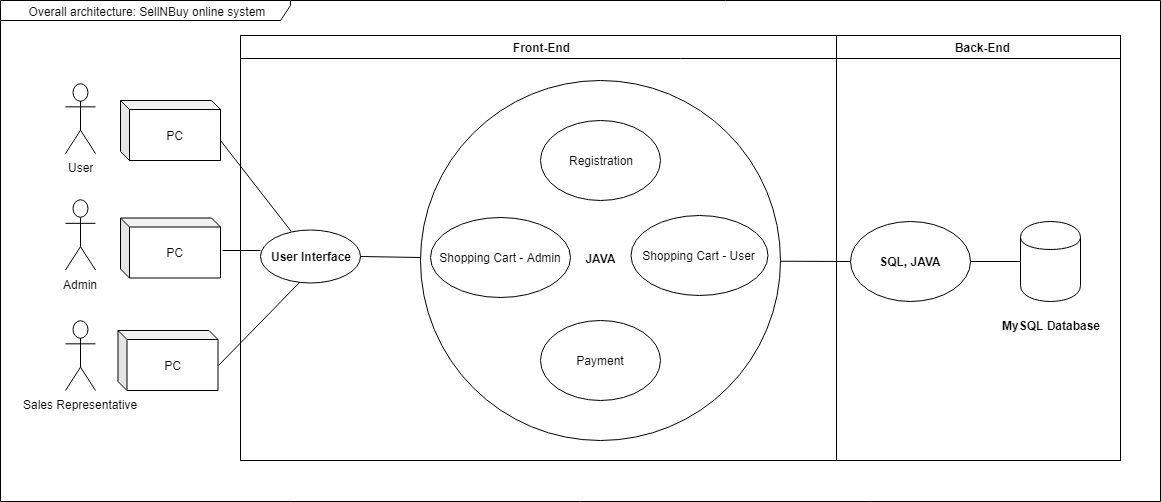
**3.Requirement Analysis**

|  |  |  |
| --- | --- | --- |
| **Functional Requirement** | **Non – functional Requirement** | **Technical Requirement** |
| 1. User management | 1. High performance | 1. Eclipse Java EE |
| 1. Item management | 1. Usability | 1. Maven |
| 1. Payment management | 1. Time management | 1. MySQL |
|  | 1. Maintainability | 1. HTML, CSS (Bootstrap) |
|  | 1. Simplicity | 1. Simplicity |
|  | 1. Quality |  |
|  | 1. Consistency |  |

**4.Requirement Modelling (Usecase Diagram)**

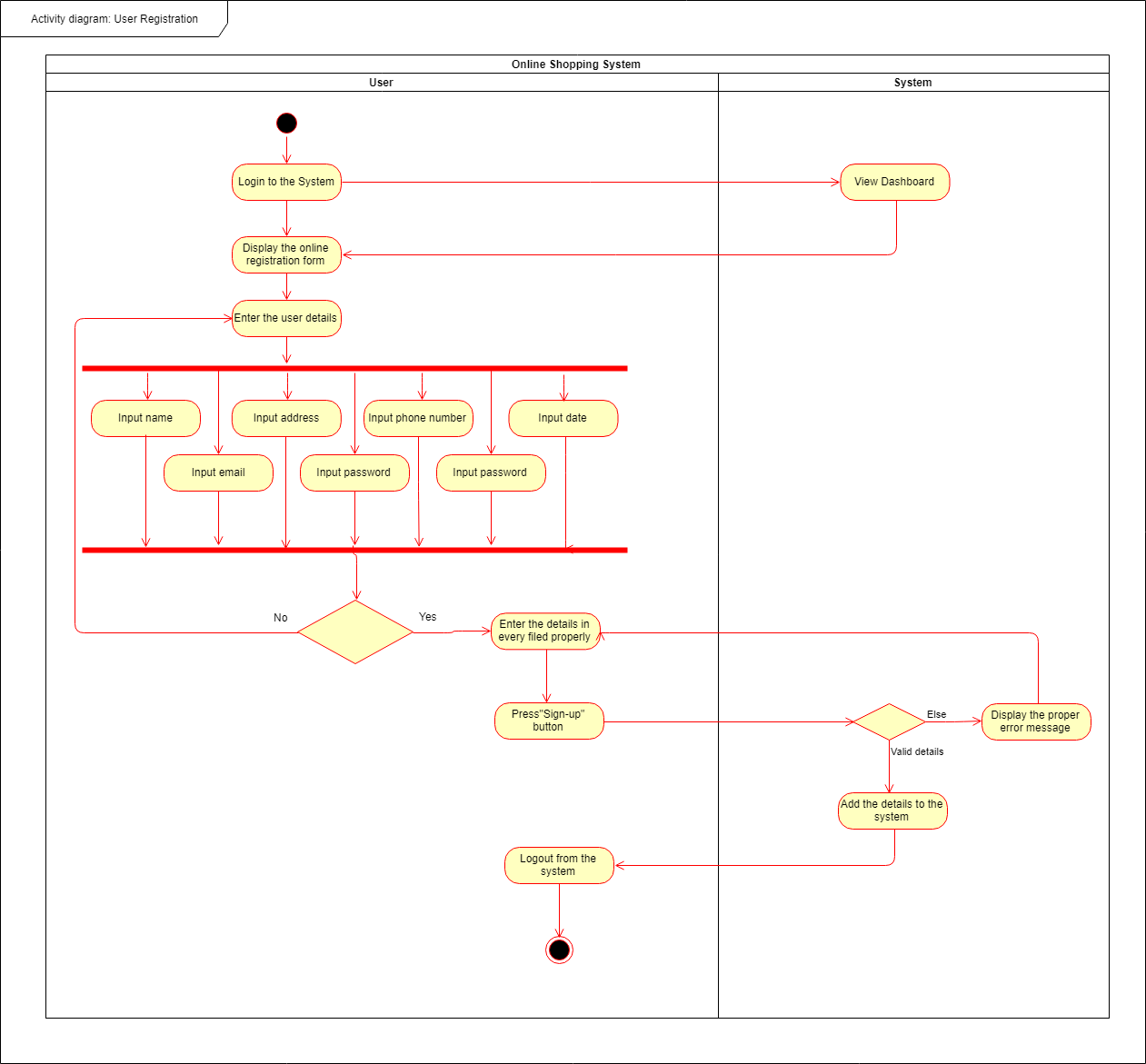
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**5.Overall Architecture**

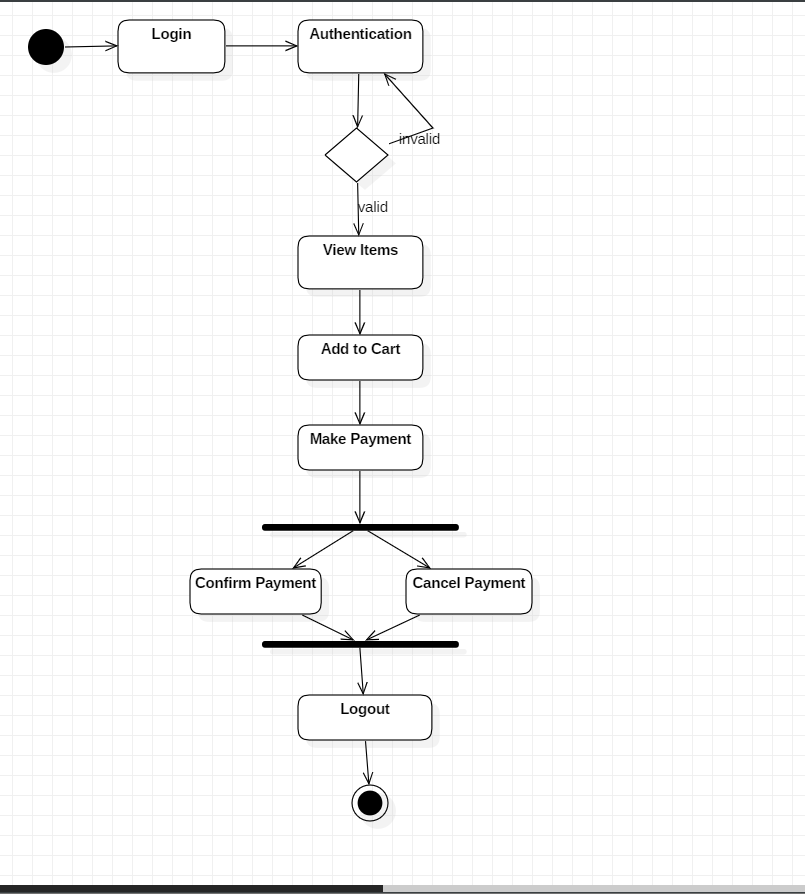


**6.Activity Diagrams (For the 4 web services)**

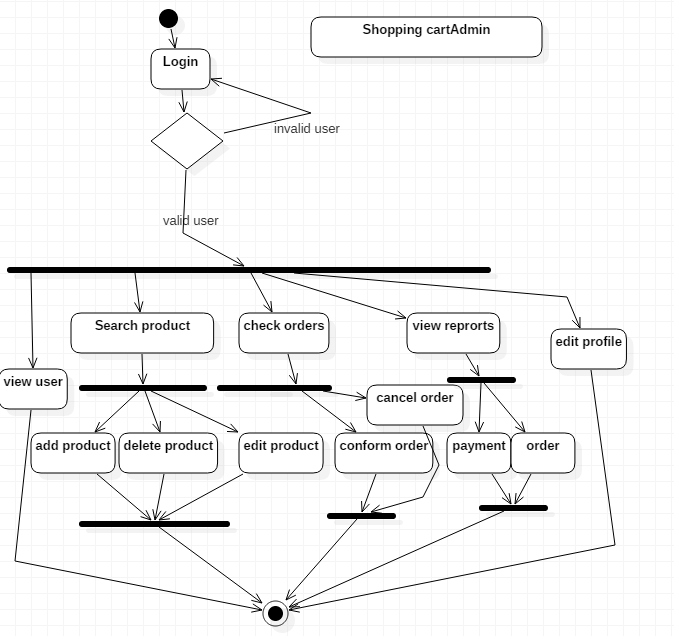
1. User Management (Registration)



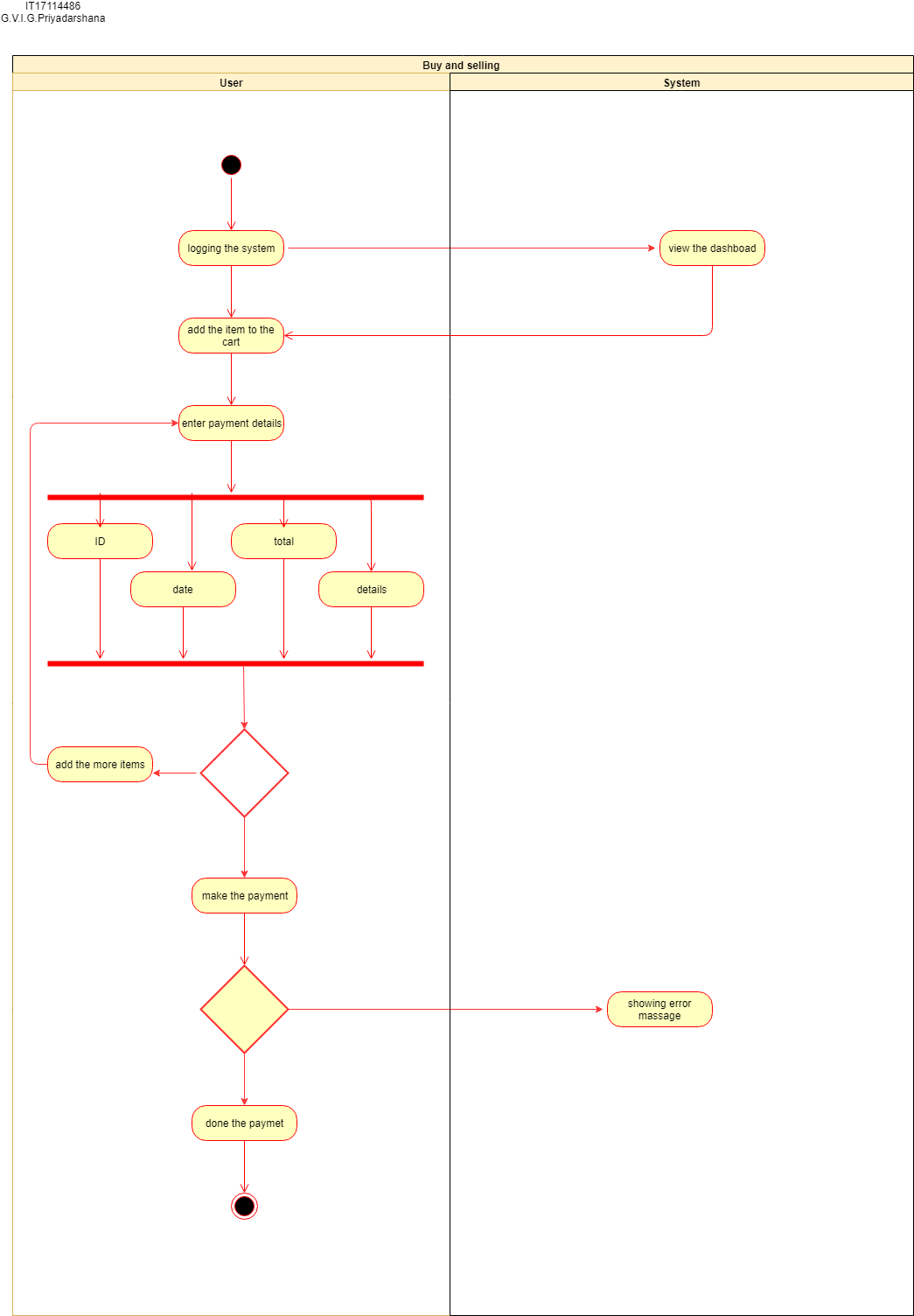
1. Shopping Cart – User

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1. Shopping Cart – Admin

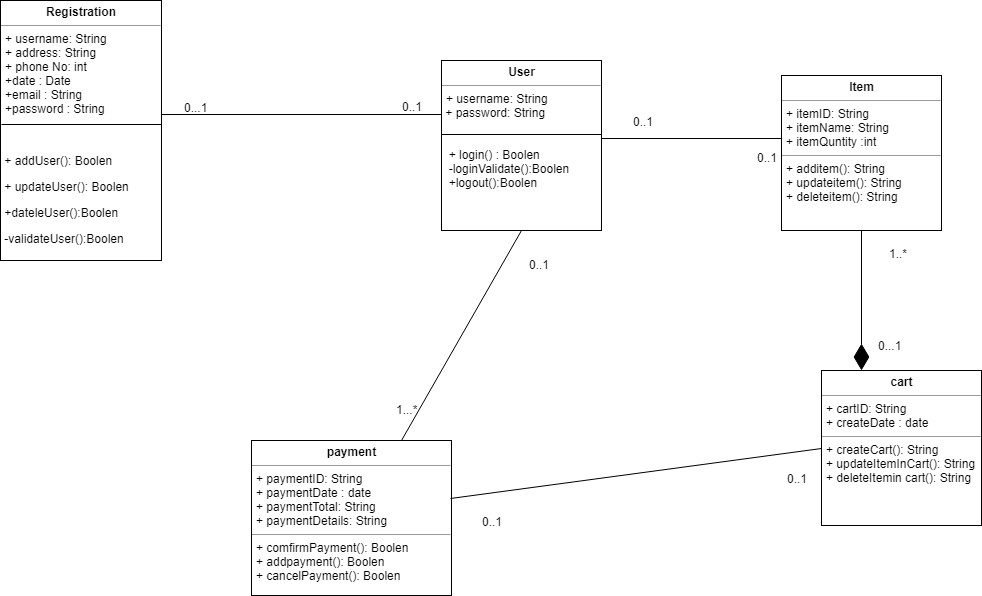
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1. Payment

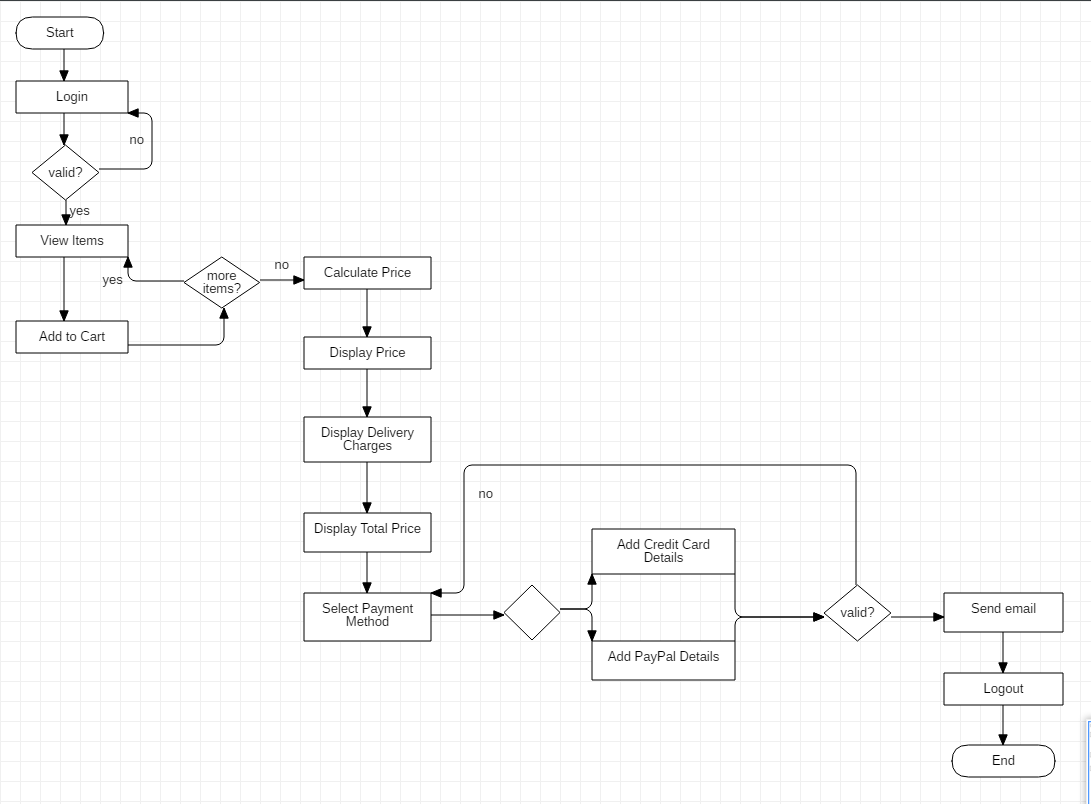


**7.Any other relevant design diagrams**

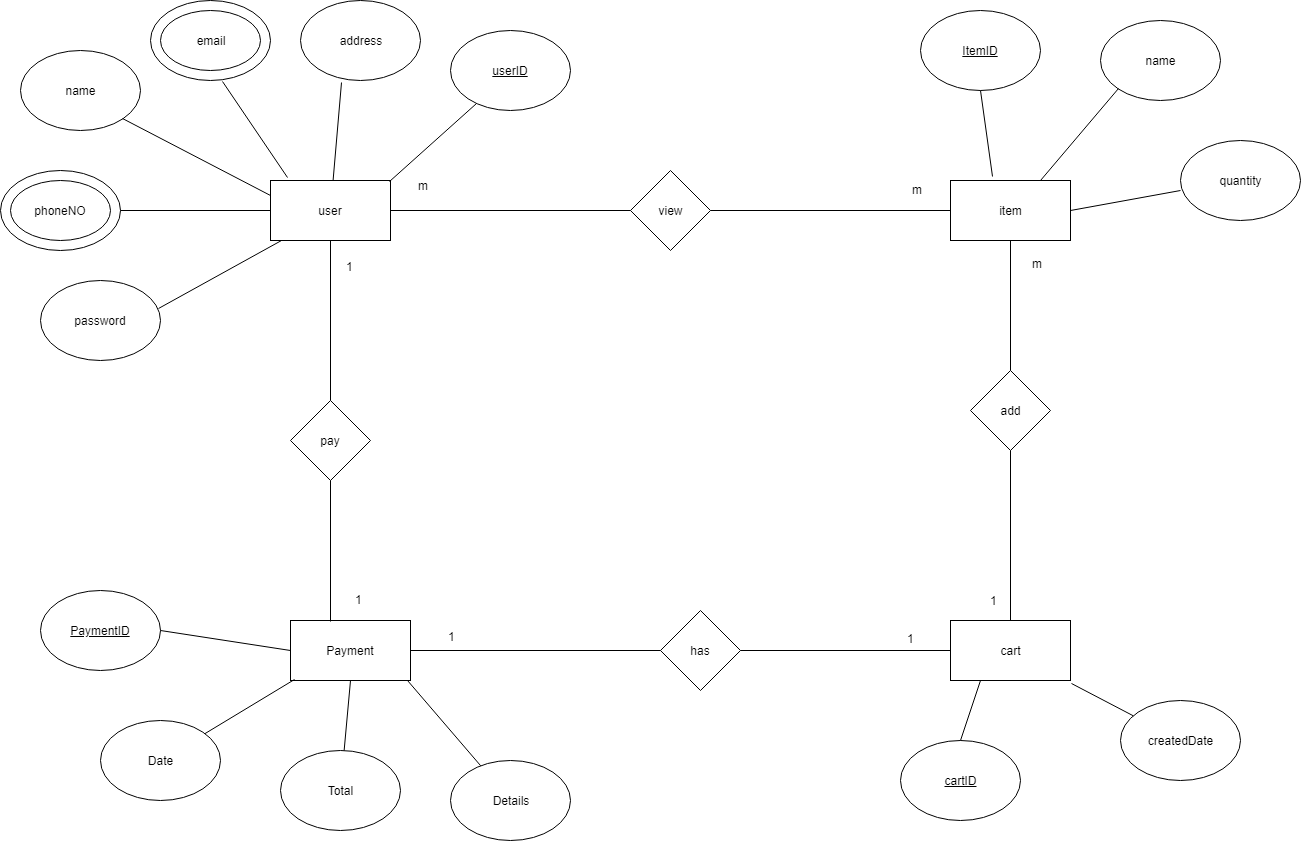
* **Class Diagram (Overall system)**

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* **Flow Chart Diagram (Overall system)**

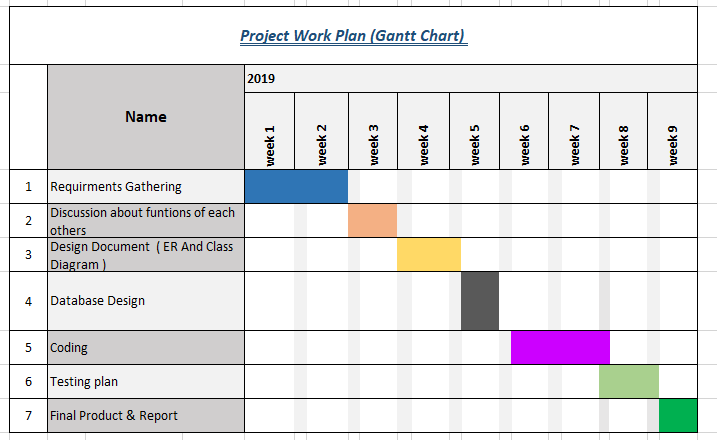
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* **ER Diagram (Overall system)**

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**8.Gantt Chart**

* Following is the time schedule that we suppose to finish this work.

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