

Group No - 2

Project Name: Analysis of Online Bus ticket booking management system

Experiment No - 4

Experiment Name: Identifying Subsystems and Use Case Scenarios for Use Case Diagrams.

Members

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Pritam Saha

ID: 375

Group: 02

Date: 24.05.2022

Subsystem 1:

Actors : customer, Admin.

Scenario :

1. Customer will login into system.
2. Customer will register into system.
3. Admin will login into system.

Exception :

1. login page not found.

Precondition: login page from web browser.

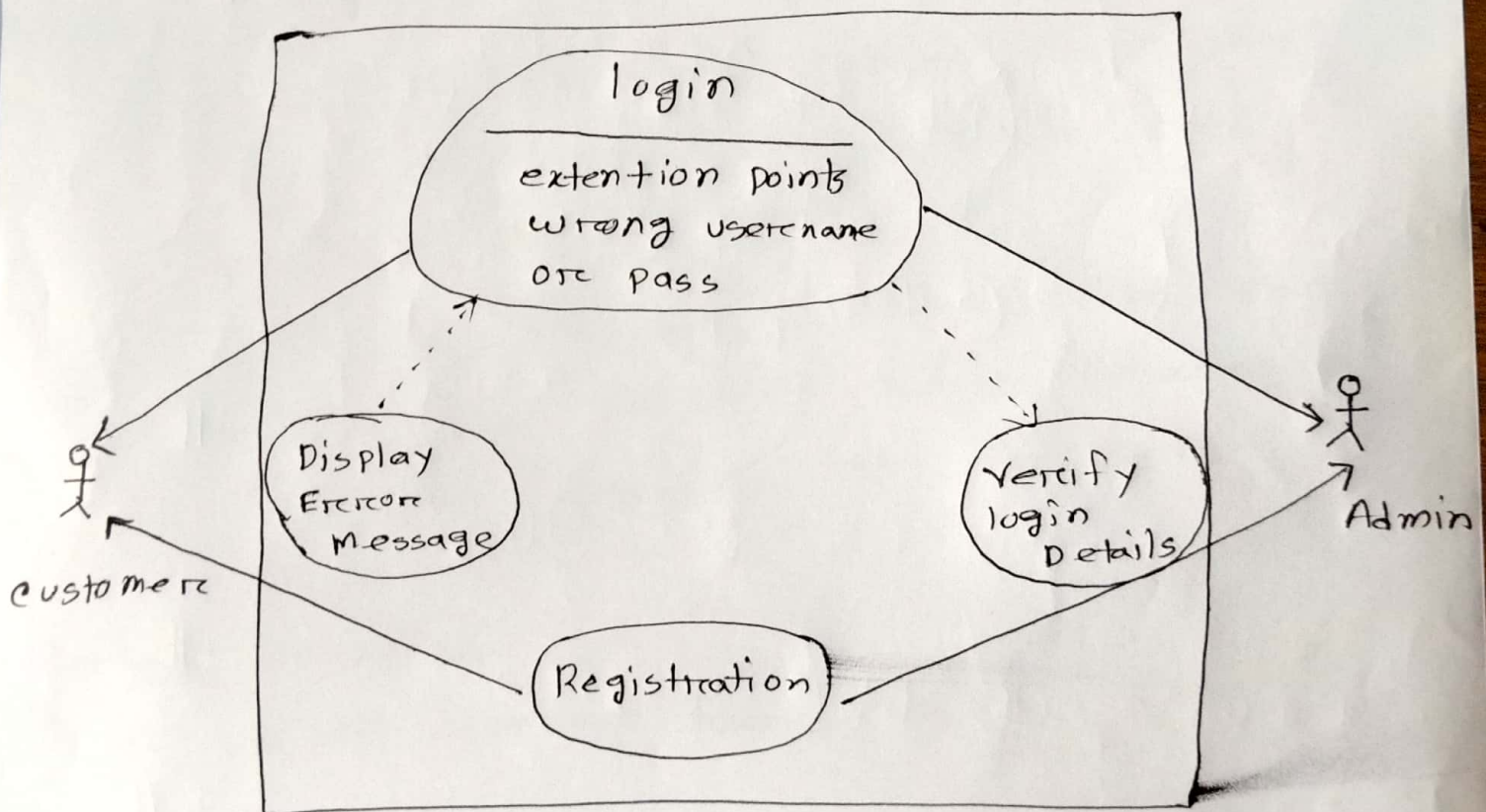
Postcondition :

1. Successfull login.
2. Unsuccessfull login
3. Page not found.

Use case Relation

1. Include
2. Extends.

Use case diagram



Tama shil to

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Subsystem 2:

Actor: Admin

Scenario:

1. Admin will add bus details.
2. Admin will input pickup points of all buses so that customers can select pickup points
3. Admin will input bus route and bus name so that these information can be provided to customers.

Exception:

⇒ Web page not found.

Preconditions

- 1) Pickup point must be set according to pickup point and time.
- 2) One time must be provided to one

bus at a time.

⇒ Route must be set according to correct route and one bus name must be provided to one bus.

Postcondition

⇒ Admin can provide one pickup time for one bus

⇒ Admin can provide one bus name and route at a same time.

~~ex~~ Use Case Relation

1) include relation in pickup point about selecting unique time for one bus at a time

2) Extend relation about notifying about the collision of bus.

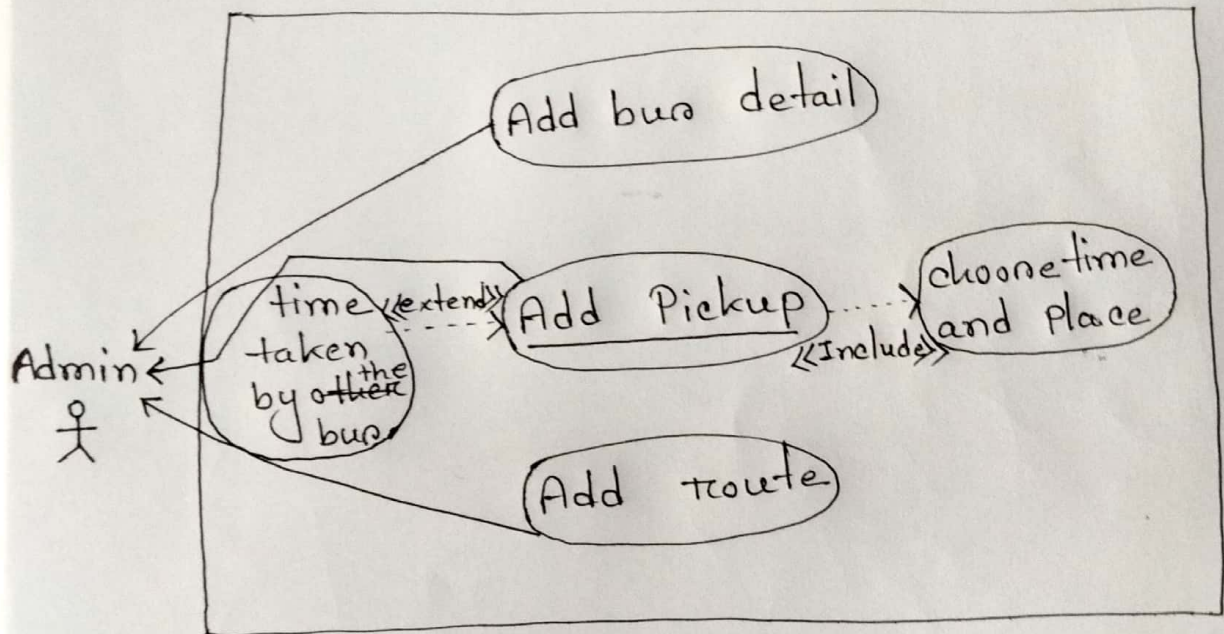
Group: 2

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Roll : 362

Date: 24-05-2022

Use Case Diagram of Subsystem-2



Subsystem-3

1. Actor: Customer, Admin

2. Scenario:

- (i) Customer will do reservation of buses.
- (ii) Both Admin and Customer can send message to each other.
- (iii) Customer will do payment

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Subsystem - 3

3) Exception:

- (i) Wrong Customer information

4) Precondition:

- (i) Only registered customer can reserve ticket

5) Postcondition:

- (i) Admin will get a notification about a seat being reserved
- (ii) Customer will get a confirmation notification

6) Use Case:

- (i) include
- (ii) Extend

Use case diagram:

