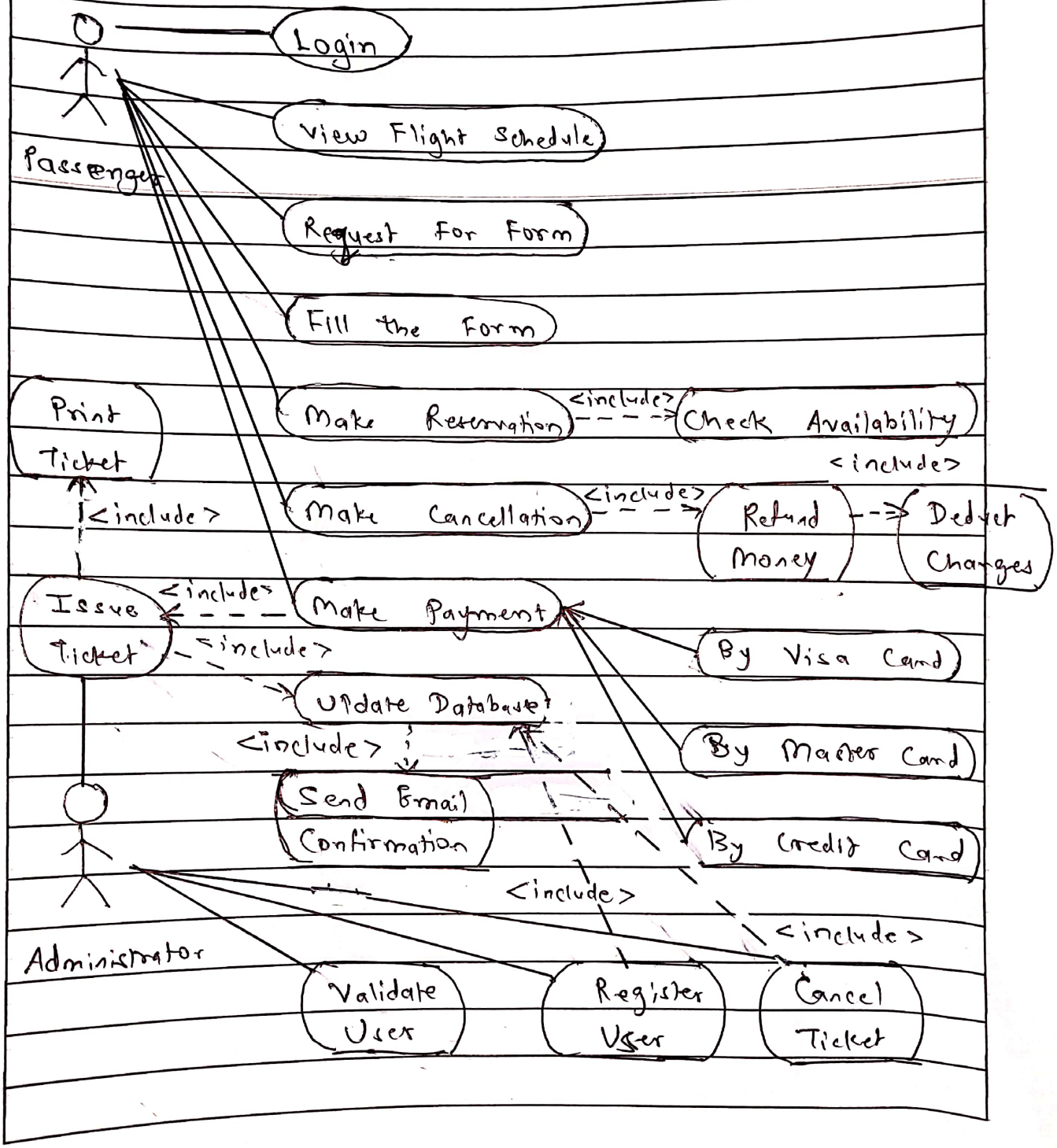
NAME: AMEY MAHENDRA THAKUR COMPS TE B ROLL NO.: 50

SUBJECT: SE EXAM: IAT-1 PAGE NO.: 1/6

6.1) :)

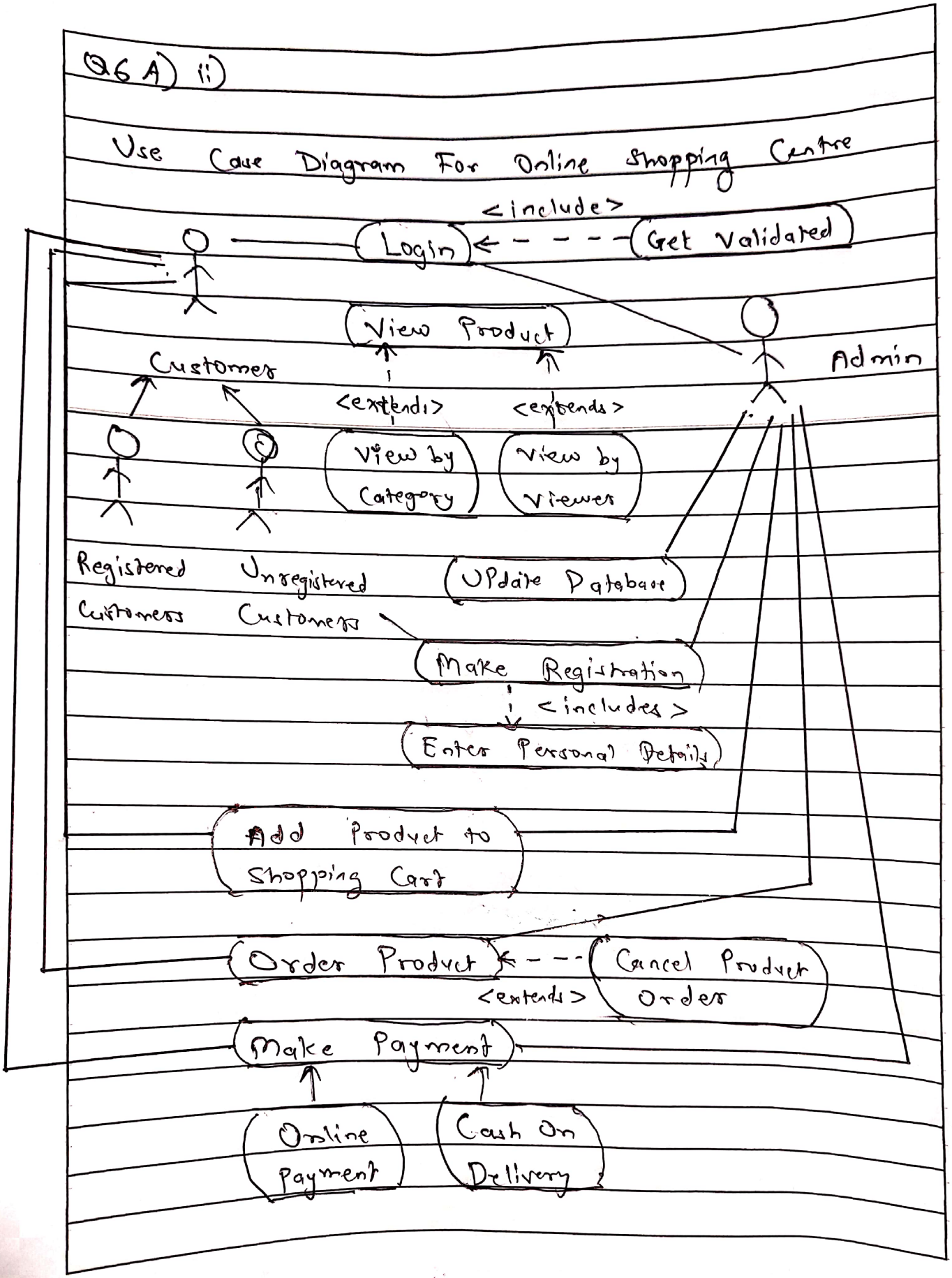
Use Case Diagram for Airline Reservation System



TU3F1819127 SIGNATURE: Amey

Q6 A) ii)

Use Case Diagram For Online Shopping Centre



TU3F1819127 SIGNATURE: Amey

Q6 B) :)

COCOMO II Model

- COCOMO - II is the revised version of the original COCOMO (Constructive Cost model) and is developed at University of Southern California.
- It is the model that allows one to estimate the cost, effort and schedule when planning a new software development activity.
- It consists of 3 sub-models
  1. End User Programming
  2. Intermediate Sector
  3. Infrastructure Sector.

End User Programming	Application generators and composition aids	Infrastructure
	Application Composition	
	System Integration	

TU3F1819127

SIGNATURE: Amey.

① End User Programming:

- Application generators are used in this sub-model. End user write the code by using these application generators.
- Example: Spreadsheets, Report Generator, etc.

② Intermediate Sector

Intermediate Sector	A	Application generators and composition aids	
	B	Application Composition Sector	
	C	System Integration	

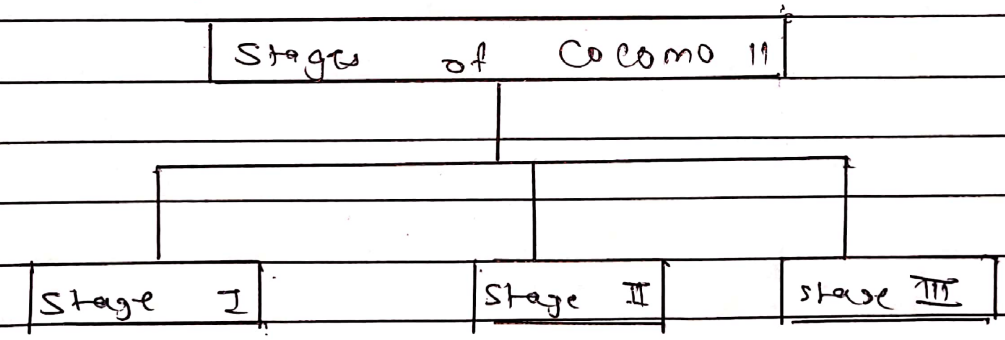
(A) Application Generators and Composition Aids -

- This category will create largely prepacked capabilities for user programming.
- Their product will have many reusable components
- Typical firms operating in this sector are Microsoft, Lotus, Oracle, IBM.

(b) Application Composition Sector:
- This category is too diversified and to be handled by prepackaged solutions.
- It includes GUI, Databases, domain specific components such as financial, Medical, Industrial Process, Control package.

(c) System Integration
- This category deals with large scale and highly embedded systems

(3) Infrastructure Sector
- This category provides infrastructure for the software development like Operating System, DBMS, UI Management System, etc.



TU3F1819127 SIGNATURE: Amey

Stage I:

- It supports estimation of prototyping. For this it uses Application Composition Estimation model. This model is used for the prototyping stage of application generator and system integration.

Stage II:

- It supports estimation in the early design stage of the project, when we lets know about it. For this it uses Early Design Estimation model. This model is used in early design stage of application generators, infrastructure, system integration.

Stage III:

- It supports estimation in the post architecture stage of a project. For this it uses Post Architecture Estimation model. This model is used after the completion of the detailed architecture of application generator, infrastructure, system generation.