TEAM MEMBERS

1. DAWIT ANBESSIE …….610521
2. HENOK DAMTEW ……...985772
3. GIZAW DULECHA ……..108882
4. ZELALEM GELGELO ……109695

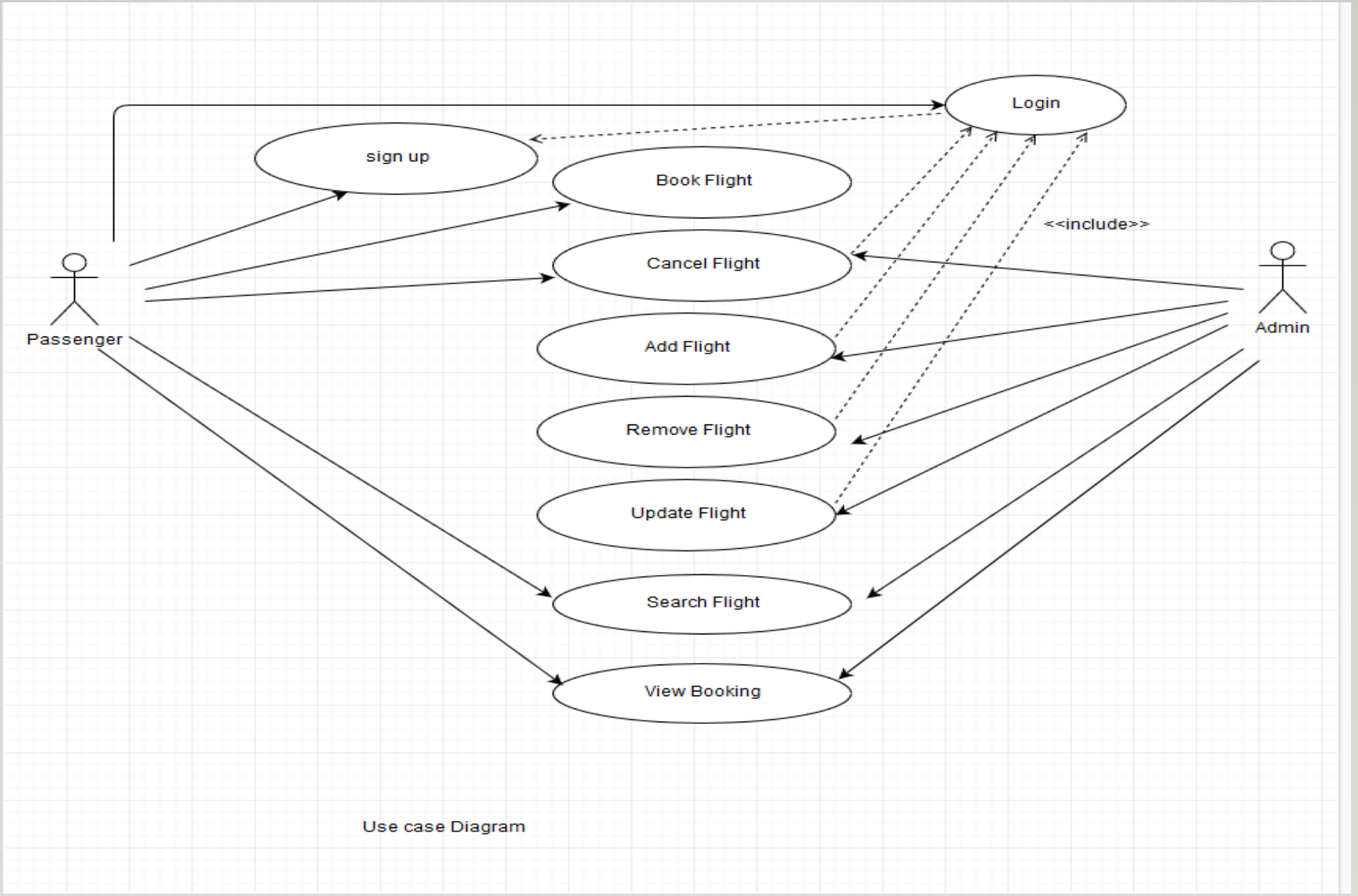
SOFTWARE ENGINEERING PROJECT

CONTENTS

INTRODUCTION

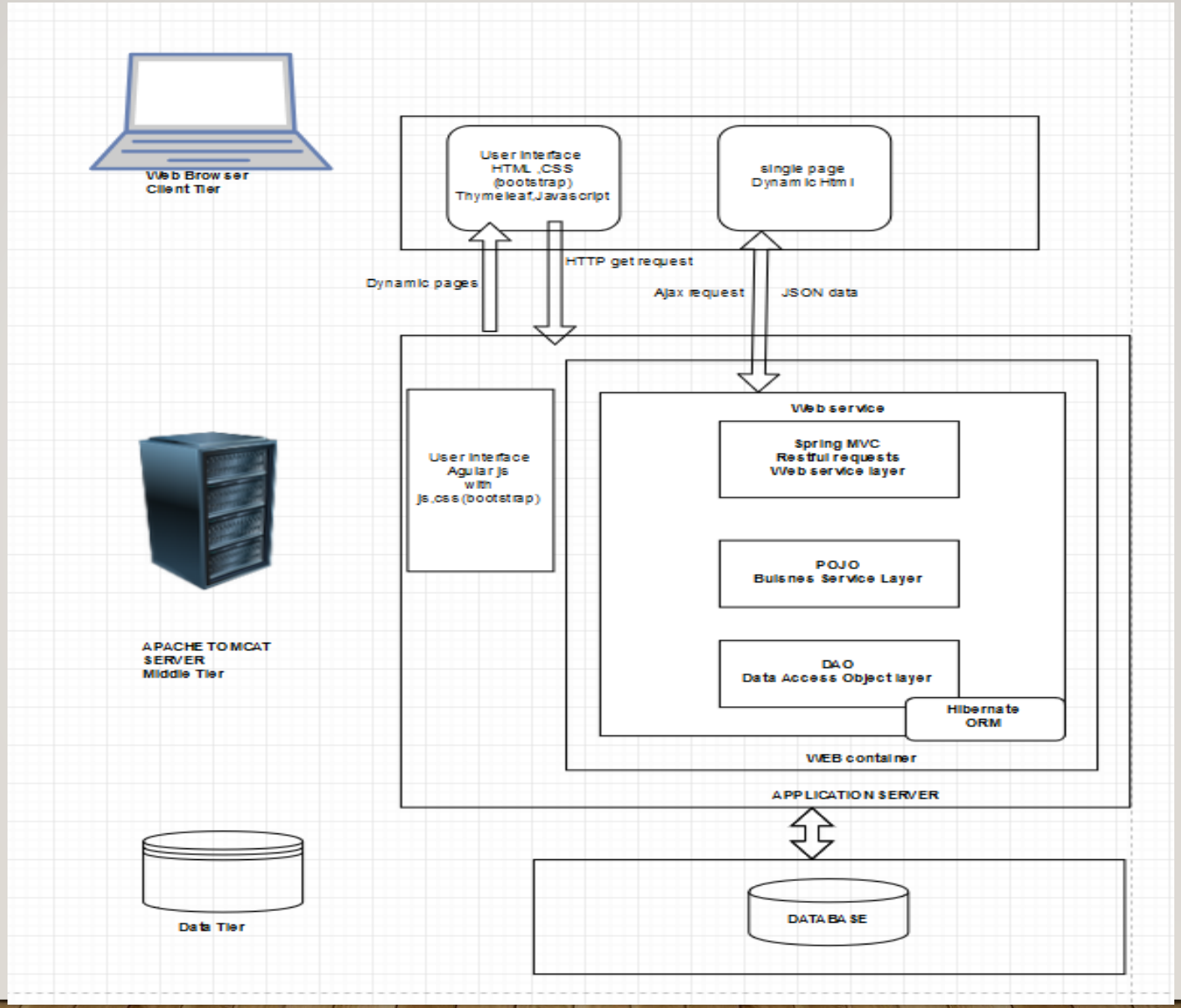
- Currently airlines industry has evolved into one of the most sophisticated and fascinating industries. Today, millions of people fly every day. So, this sophisticated industry need online ticket purchase system is one of the major contributors in the increase of the passengers using air travel.
- Our project is on E flight booking system.
  - The user can view available flight and book a flight etc..
  - The Admin can add flight, remove flight etc.

2.Use case diagram



Use case Diagram

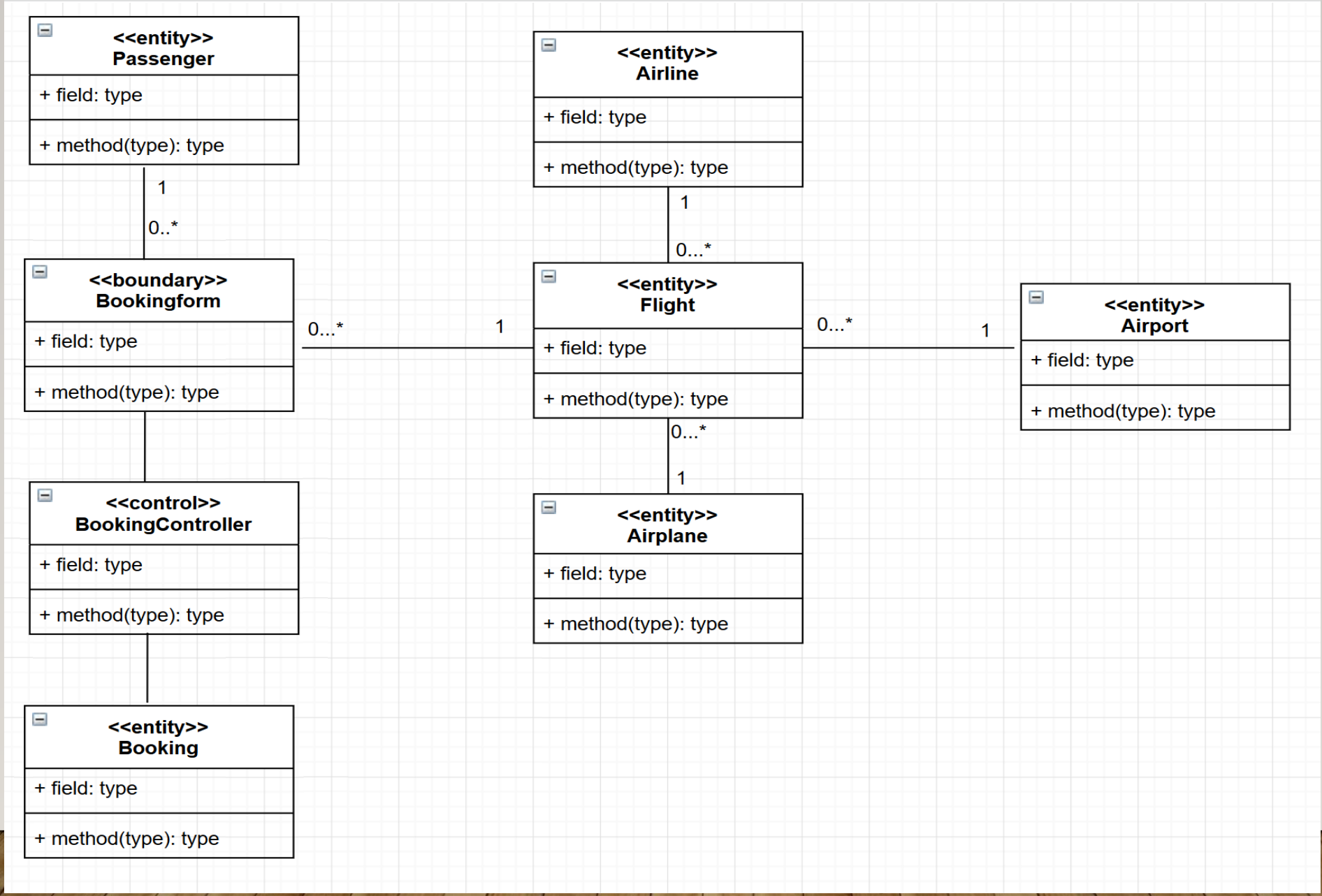
3.System architecture diagram



4.KEY ABSTRACTIONS

- Passenger
- Airline
- Airplane
- Booking
- Airport
- Flight
- Admin

5.VOPC Diagram



6.Use case description

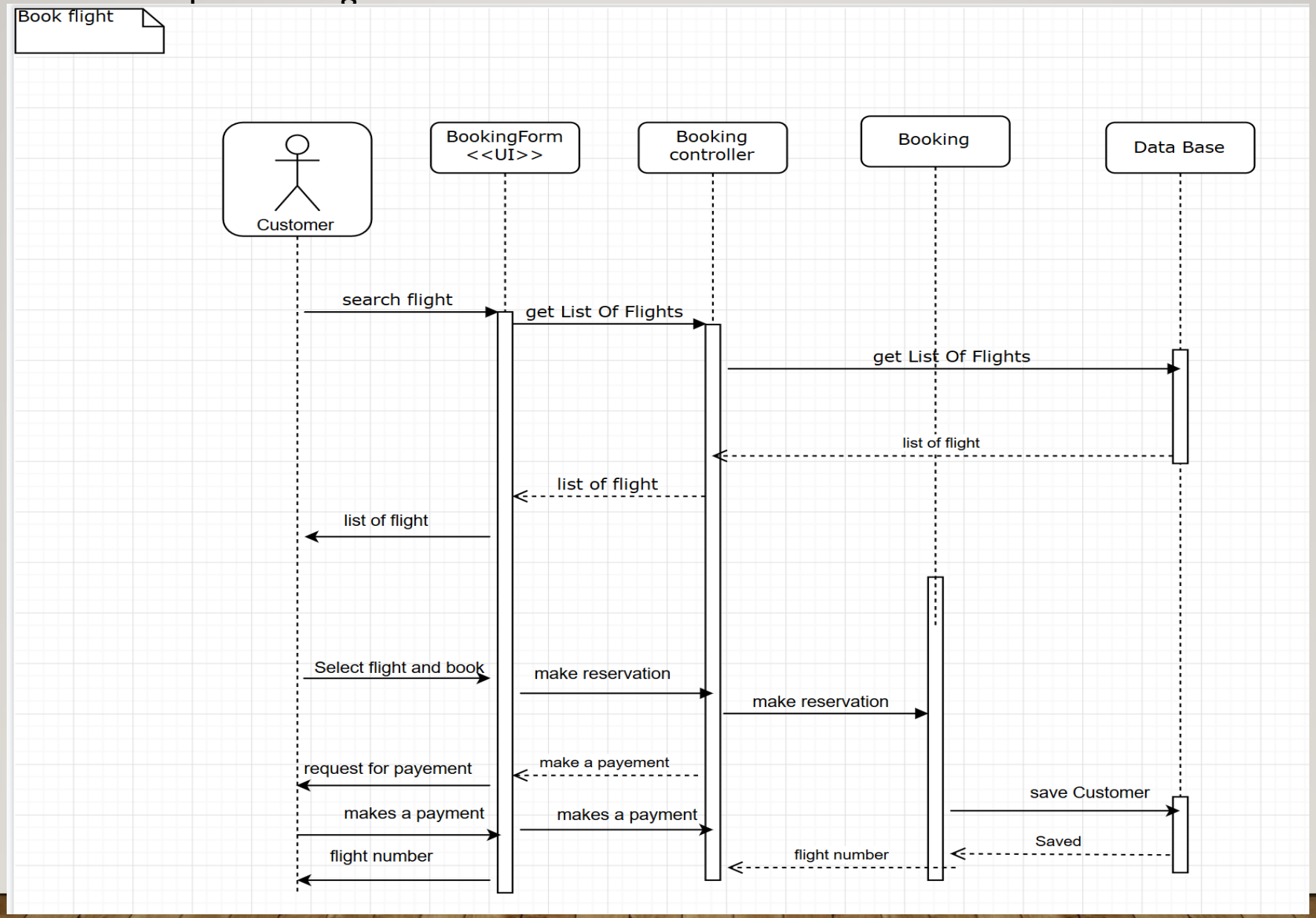
Use case Number: 1	
Name	**Book Flight**
Brief description	This use case helps the user(passenger) to book a flight ticket
Actors	Passenger(user)
Preconditions: The user not necessarily to login to book flight.	
Flows of events	

1. Basic Flows

Step	User Actions	System Actions
1	The user(passenger) search a flight in searching box.	The system retrieves that information from the database and returns to the user(passenger).
2	The user(passenger) fills out his information to book a flight ticket.	The system registers his information to data base.

Postconditions: The passenger gets his confirmation number
Business Rules: passenger must have valid payment method (debit card or credit card)

7.Sequence Diagram



Thank you!