Airline Flight Booking System (FBS)

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Contents

Introduction

- Now a days online flight booking for airline travel has been increasingly popular and more people are flying than ever.
- Easy online ticket purchase system is one of the major contributors in the increase of the passengers using air travel.
- In order to have a market share in this booming market an imaginary company name X is seeking for an online Flight Booking System.

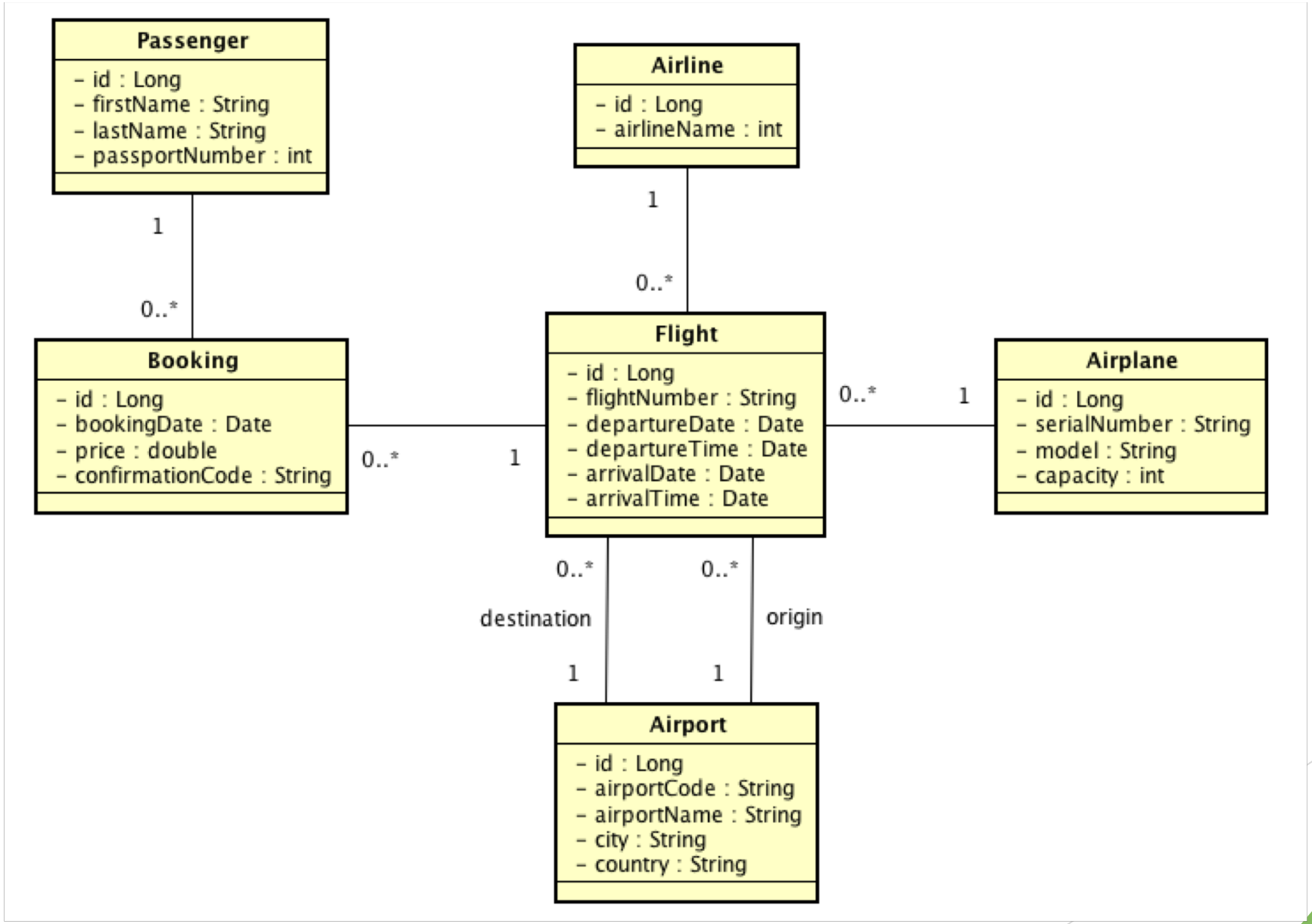
Introduction cont'd

- To solve this problem we design and implement a working online Flight Booking System (FBS) application that allow users.
  - To view available flights
  - To book a flight.
- Back-office features - provided for authorized person for system administration purpose.
- Add flight Schedule
- Manage Airlines, Airplanes and Airports

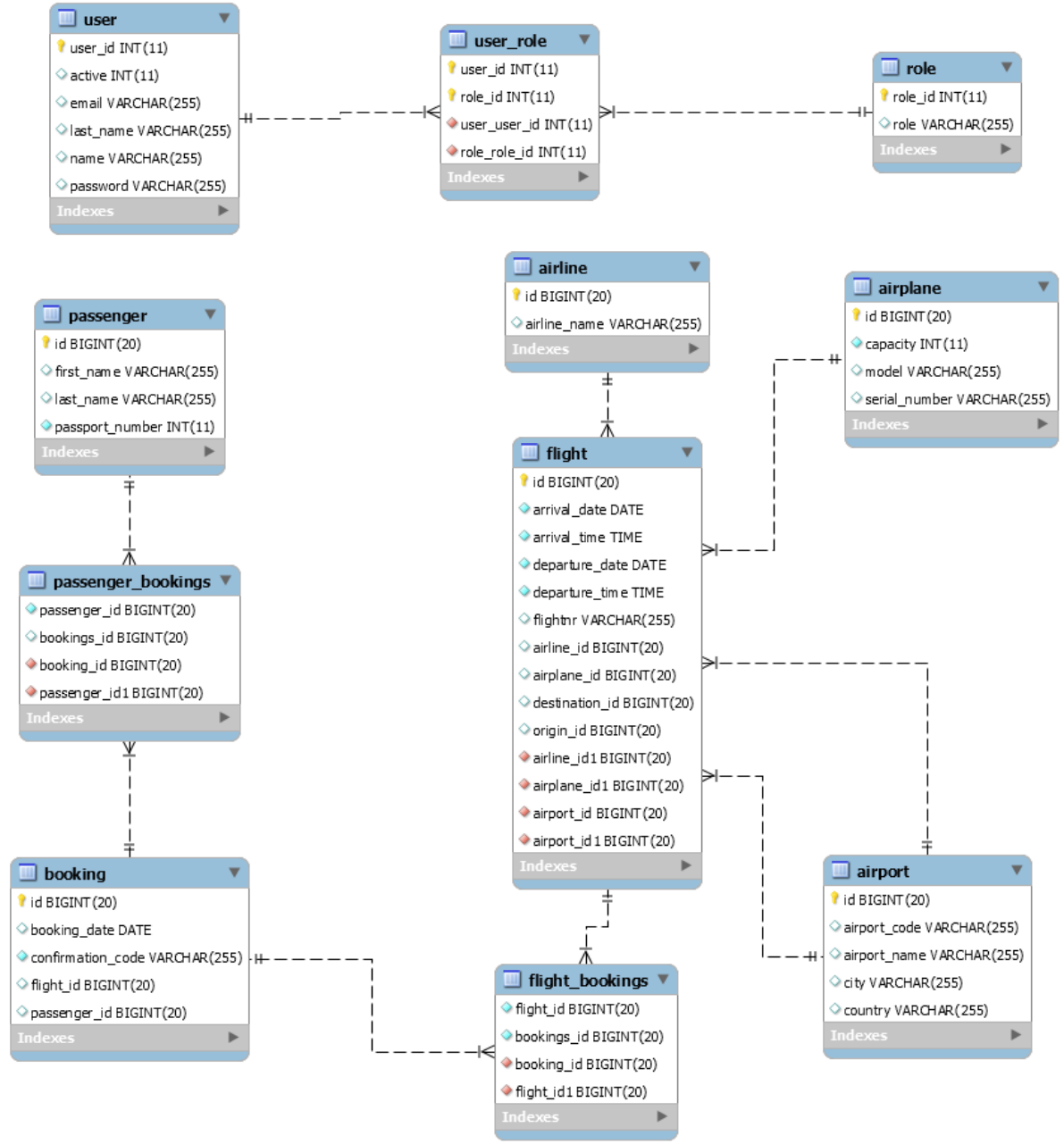
Technologies Used

- Intellij IDEA and STS IDE
- Spring Web/MVC
- Hibernate
- Spring Data
- Spring Security
- Hibernate Validation
- Hibernate Transaction
- REST Web Service
- DB: MySQL

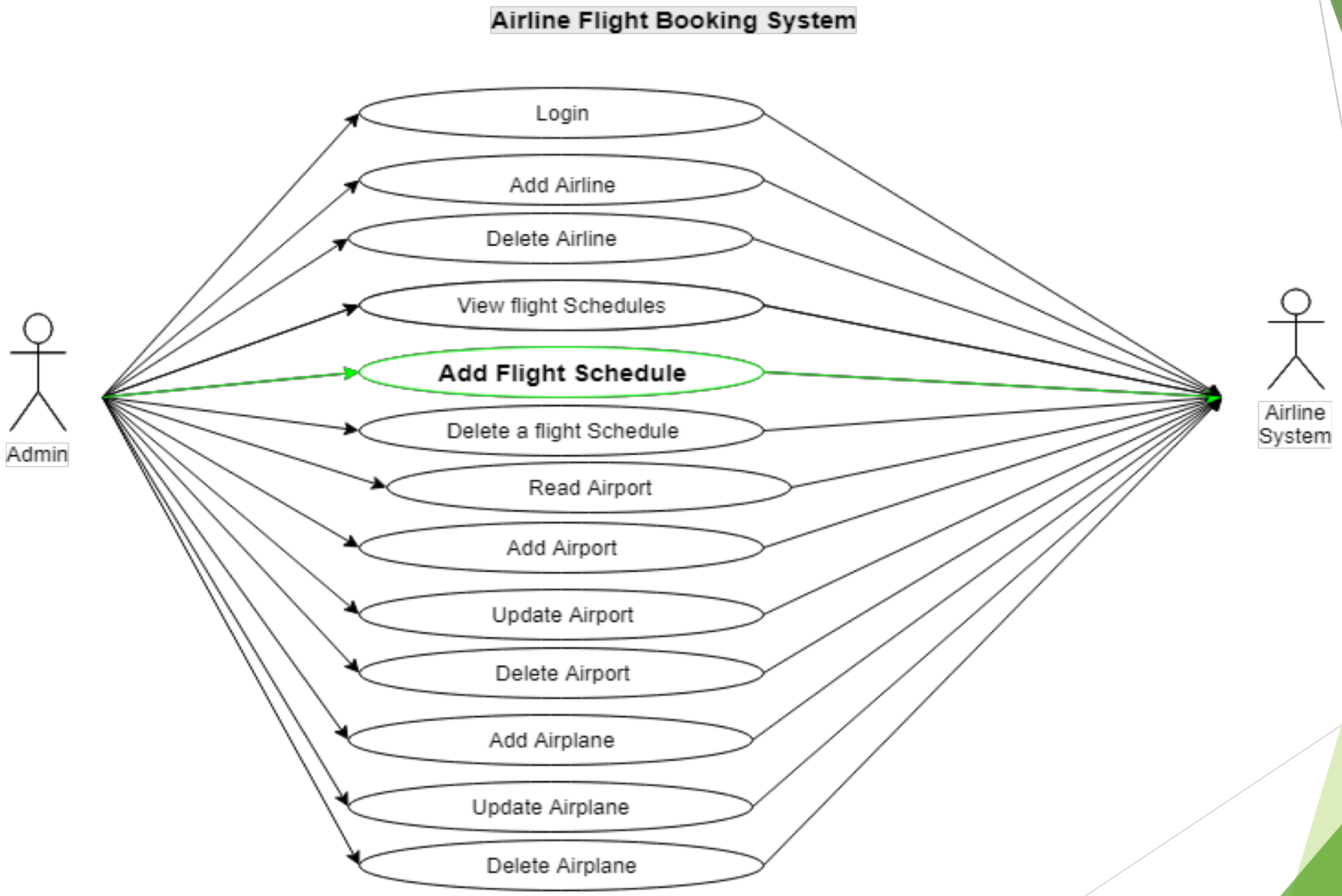
Class Diagram



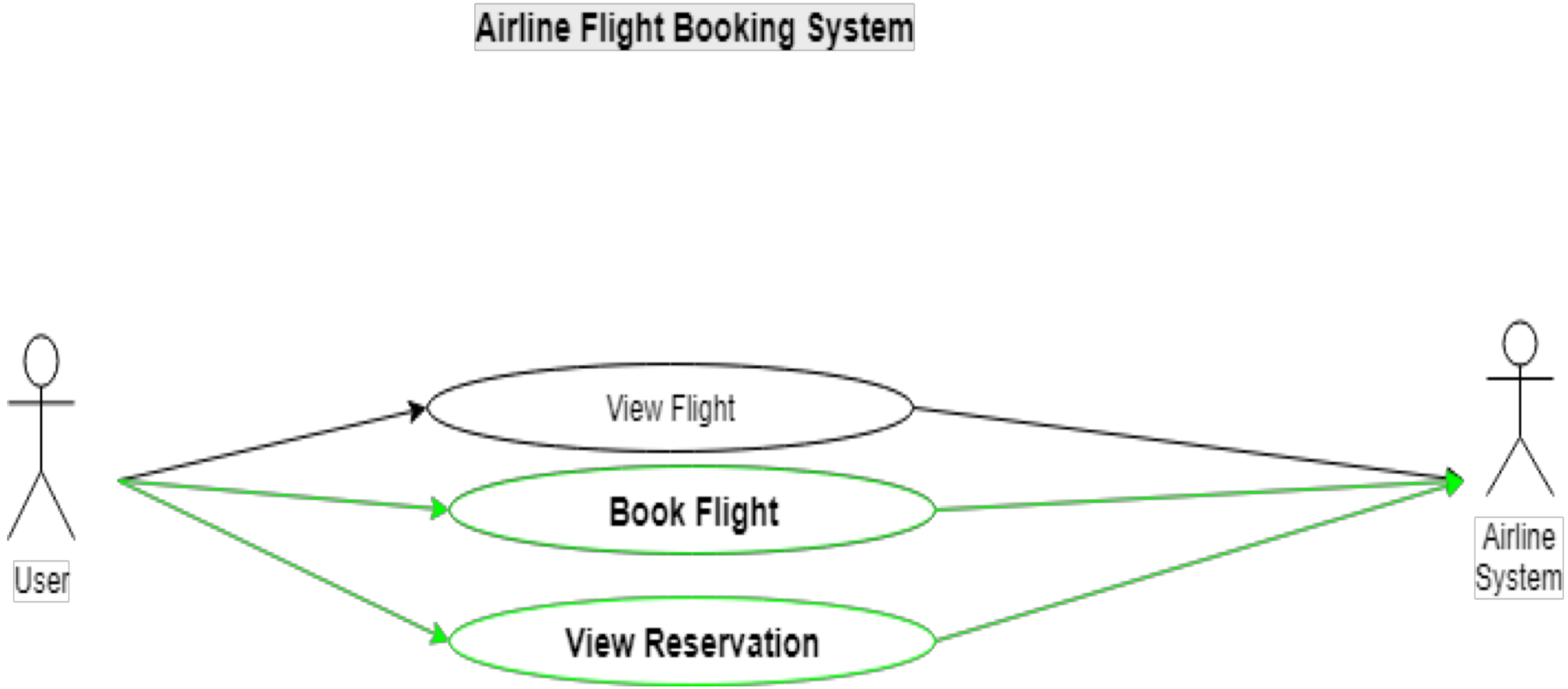
Data Base Design Model (ER Diagram)



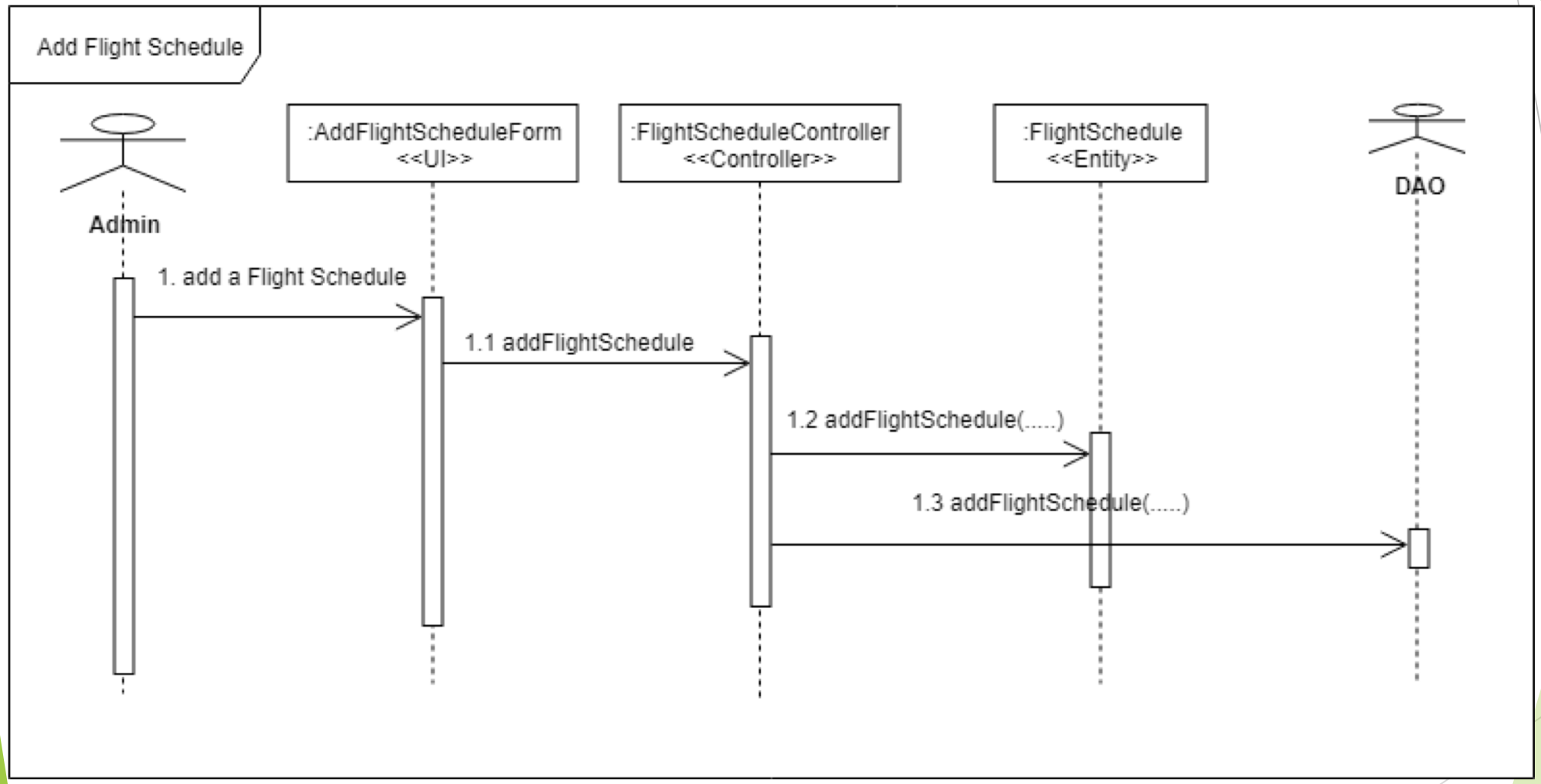
Main Use cases



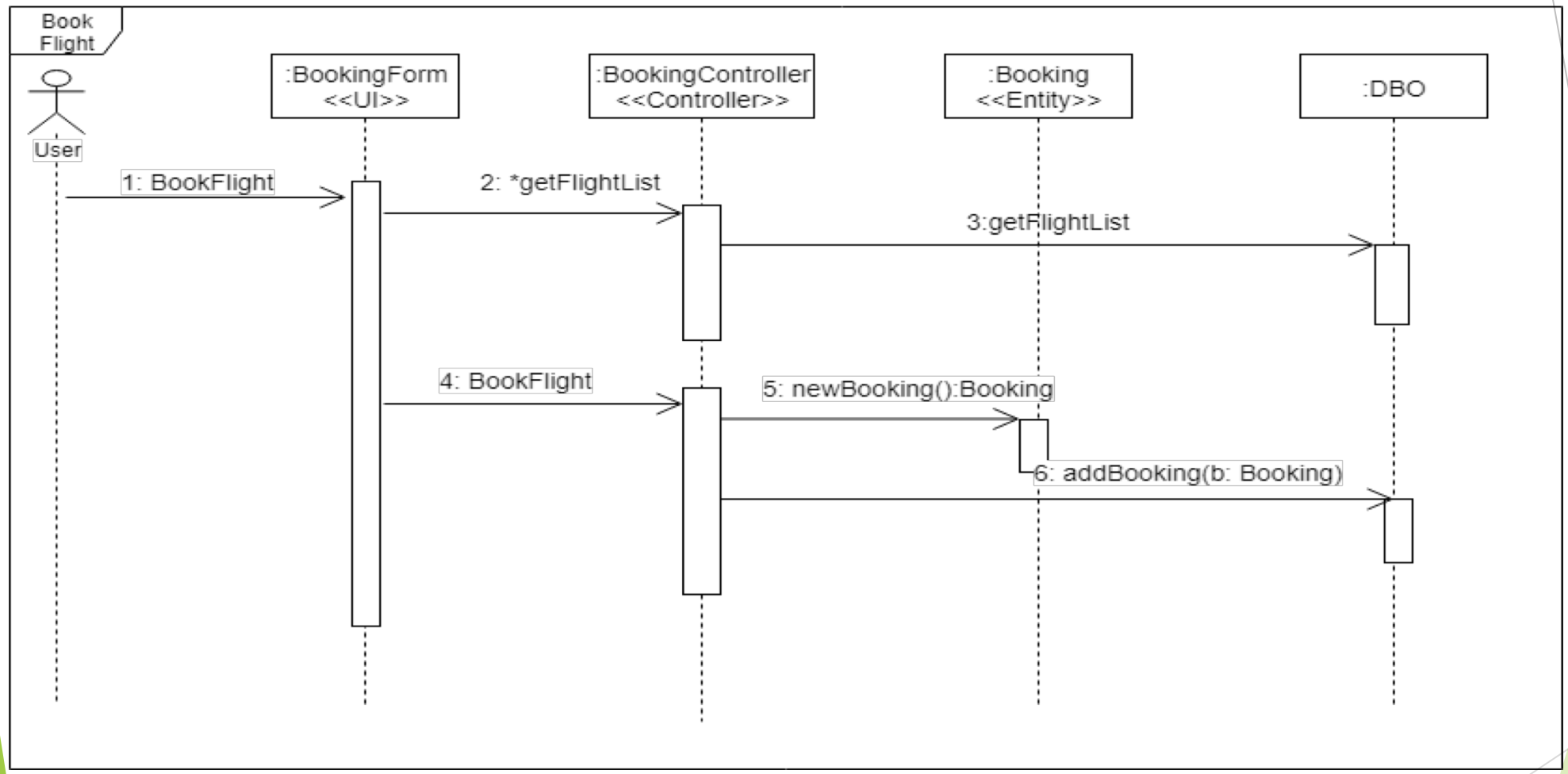
Main Use cases.. cont'd



Sequence Diagram



Sequence Diagram.. cont'd



Future Extension

- Business Domain:
  - Customer registration and Promotion
  - Online checking and Flight Search
  - Payment
- Technologies:
  - Mobile app
  - Spring Cloud and Microservices: distributed config, service discovery, routing & load balancing, etc.

Demo will Continue…

Thank You For Your Attention!!