UDAN FLIGHTS

BY-
SUMEET PATIL

OBJECTIVE

- Udan Flights is created to meet the needs of online Flight reservation system.
- To provide various flight related features to be accessed easily with few clicks.
- The system allows the user to book flight tickets, search flight tickets, view booking details etc.
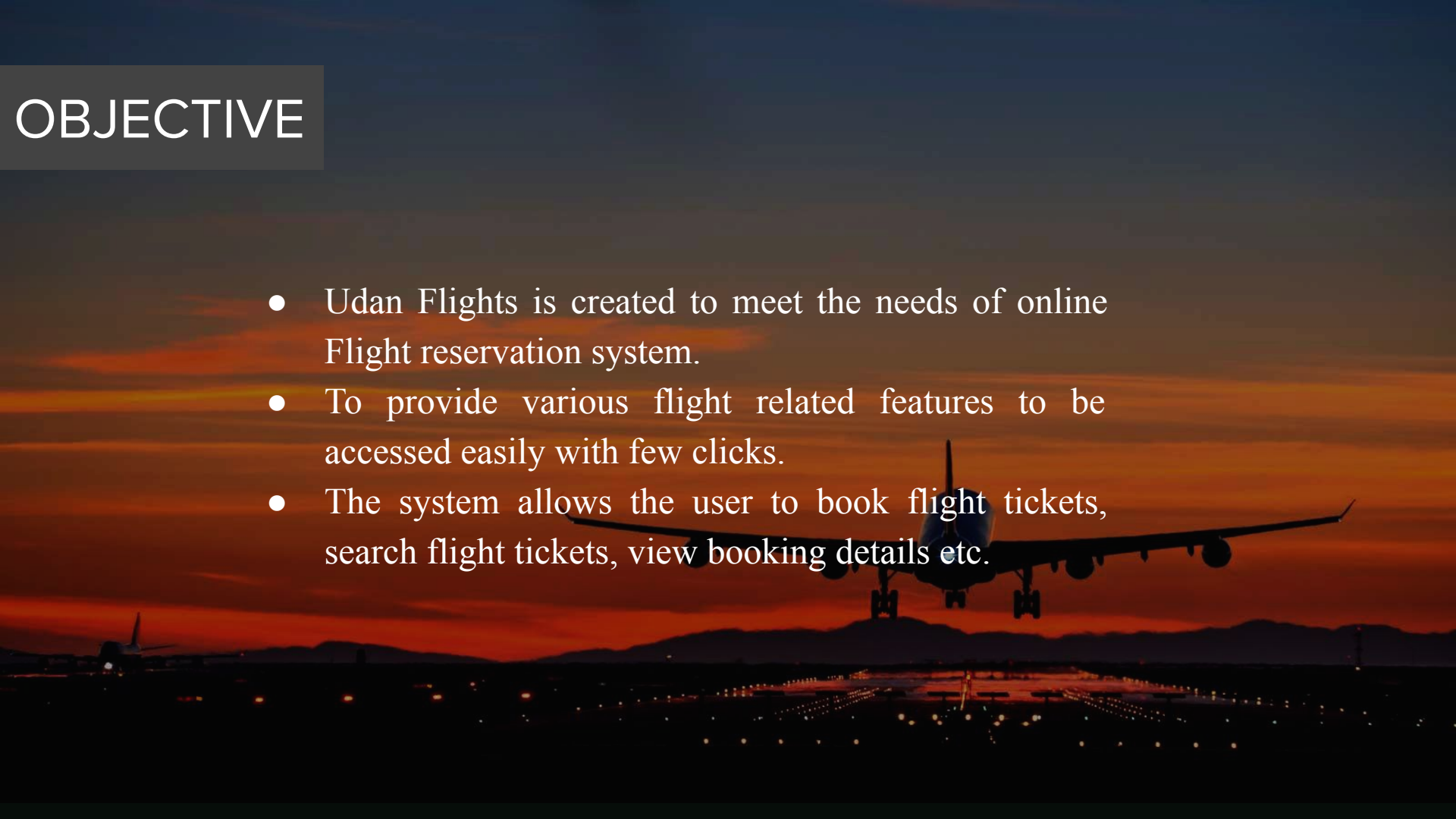
TECHNOLOGY STACK

1. Presentation Layer
   - NodeJs (JavaScript Runtime Environment)
   - Angular 6(framework to develop web app)
   - VsCode (to develop front end)

2. Business Layer
   - Java 8 (programming language)
   - Postman (for testing restful services)
   - Spring Boot (auto configuration)

3. Persistence Layer
   - Hibernate (JPA implementation)
   - MySql 5.5.1 (database storage)

4. Hardware and Software Requirements
   - Windows 10, Ram 4/8 GB
   - Google Chrome
     Memory Space:500MB

SERVICES

- **Flight Service:** Performs operations like search flights, book flights, cancel flights and view bookings.
- **User Service:** Registers a new account and login for the customer. It also performs authentication at the time of login.
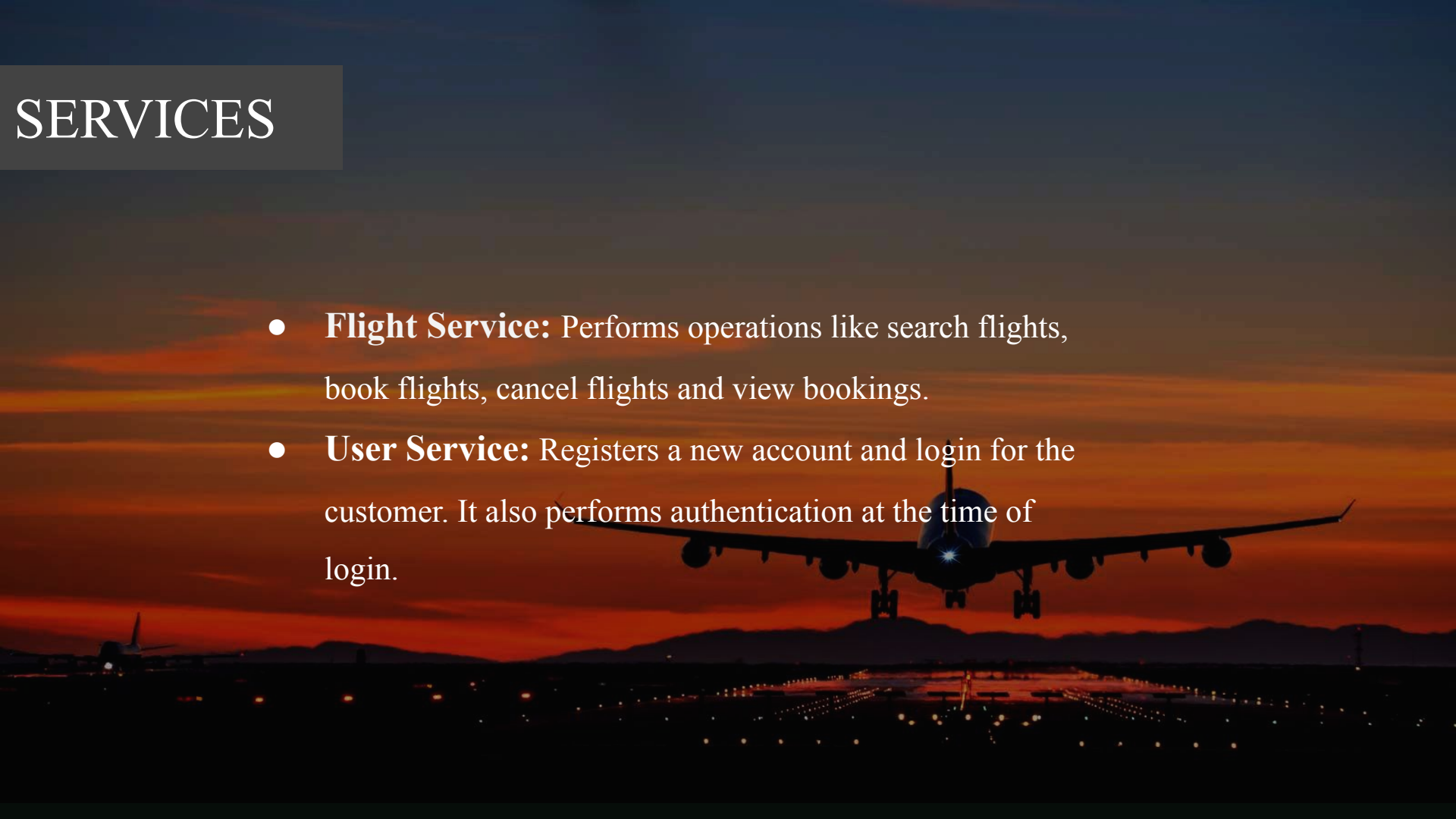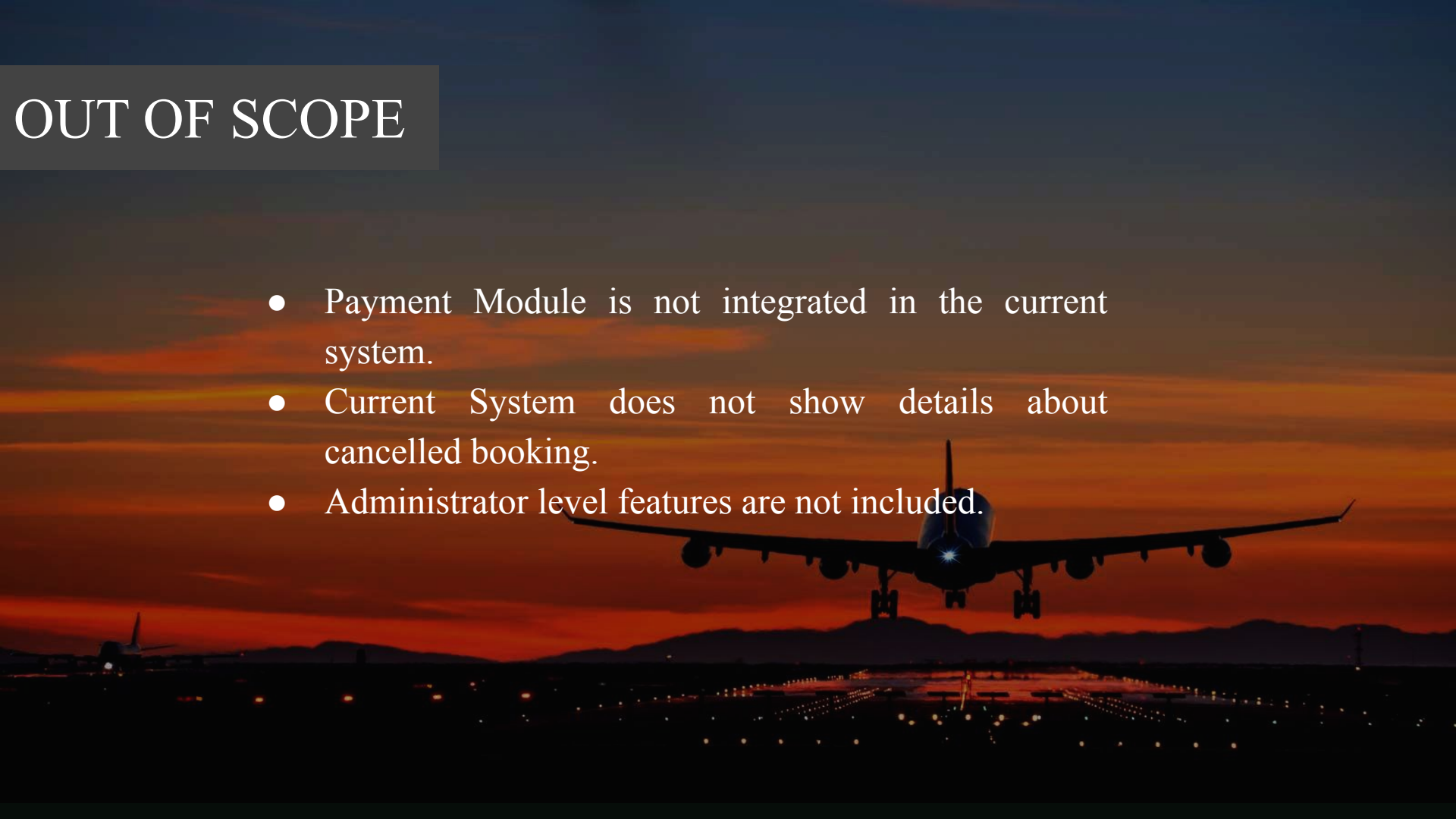
SCOPE

- The scope of the project is limited to booking flight tickets, viewing flight details, cancelling tickets.
- The user must register first in order to use the system. Later the user can login and perform the necessary action.
- System can be used by customers only.
- The architecture implemented is Spring Boot using Spring boot and Angular framework.
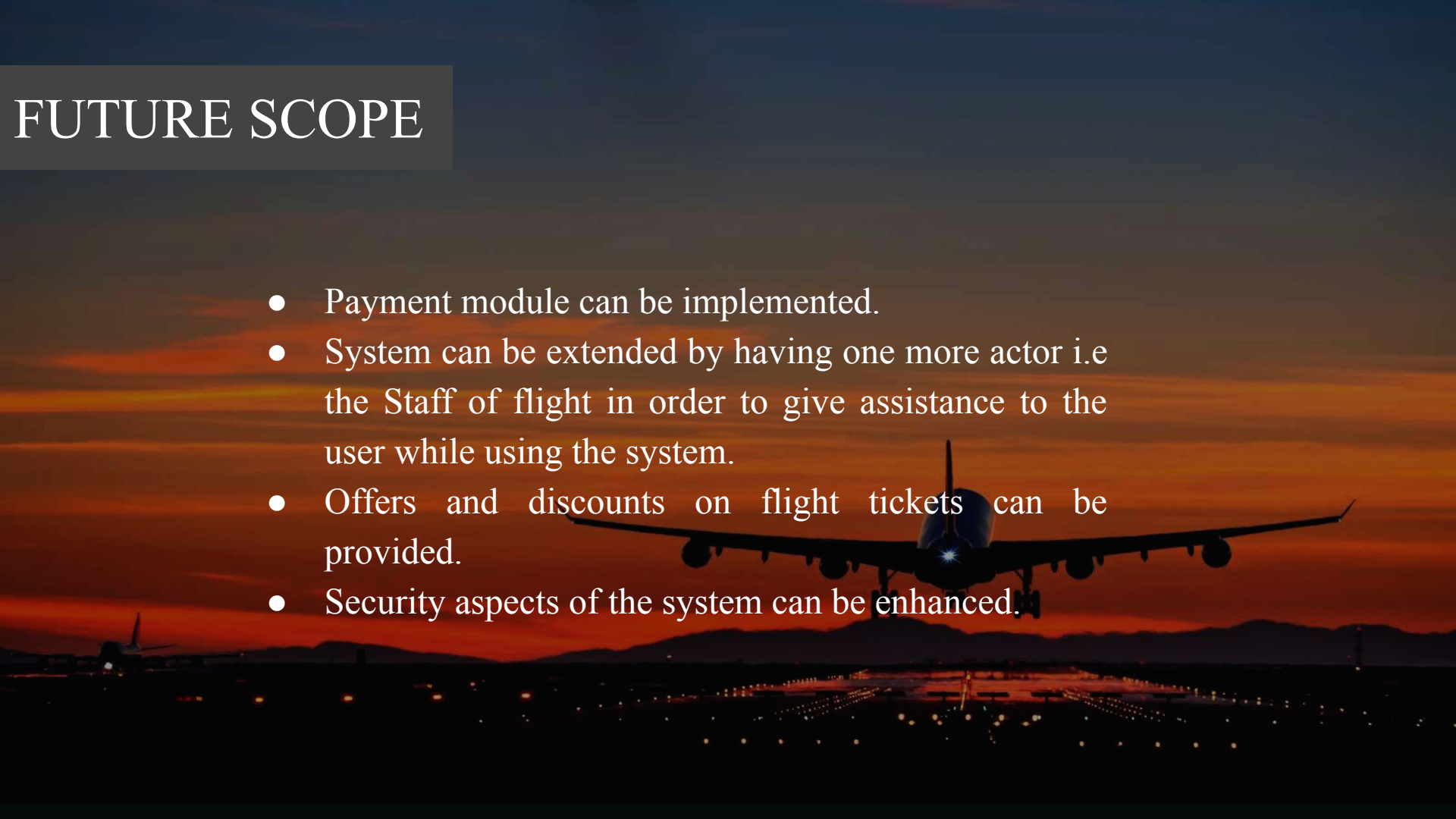
OUT OF SCOPE

- Payment Module is not integrated in the current system.
- Current System does not show details about cancelled booking.
- Administrator level features are not included.

FUTURE SCOPE

- Payment module can be implemented.
- System can be extended by having one more actor i.e the Staff of flight in order to give assistance to the user while using the system.
- Offers and discounts on flight tickets can be provided.
- Security aspects of the system can be enhanced.

THANK YOU