Team Members	
	Pranati Bharadkar (2020400002)
	Swamini Dumbre (2020400009)
Class	IT
Batch	A
UID No.	2020400002
	2020400009
Experiment No.	4
Subject	SE Lab
Date	3/11/2022

AIM: Interaction Diagram (Sequence and Collaboration Diagram)

Problem Statement:

Modeling consumer data to customize regional services, optimize the supply chain and increase customer satisfaction.

An E-commerce company that requires optimal answers based on customer and vendor data. This data is uploaded in a CSV file. The backend algorithm analyses this data to provide recommendations. The results are maintained and frequently updated on the software by the developers. The clients can add more accounts as their linked clients. These linked clients can access the data of that respective company only. Develop a recommendation model to manage the streamlining of the business processes
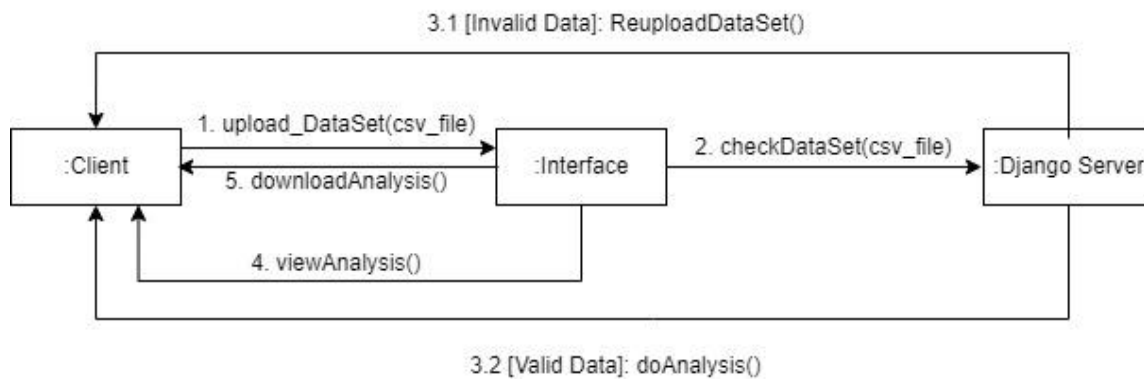
Diagrams:

1. File Upload and Verification and Machine Learning Model
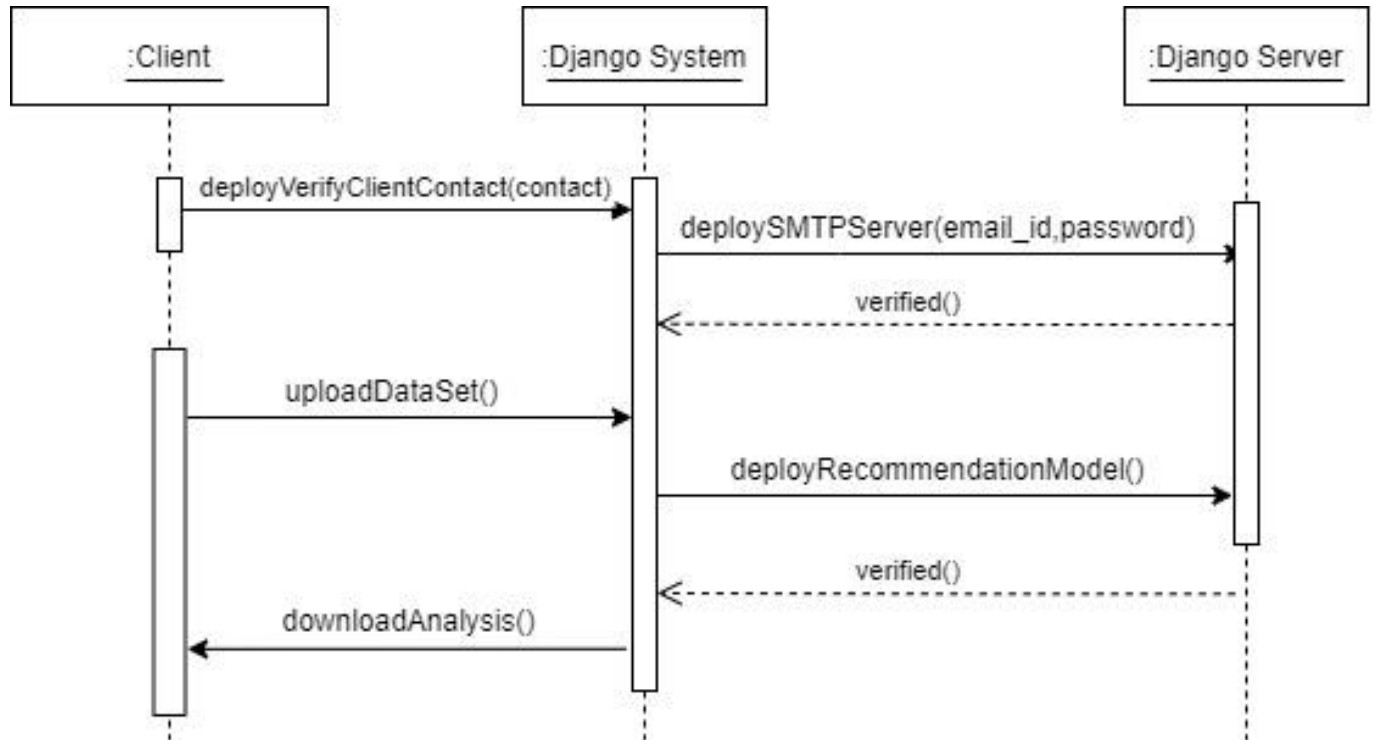
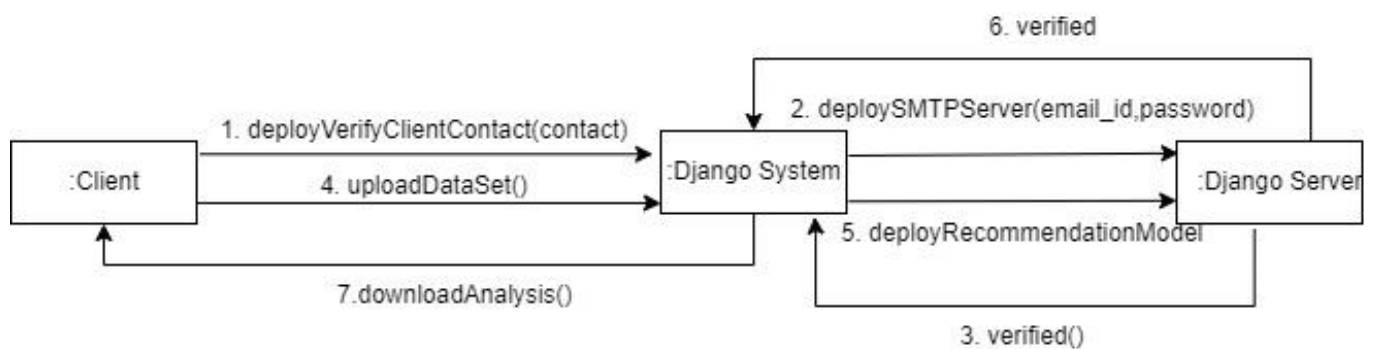**Sequence Diagram**
1. **Upload Dataset and download the analysis**
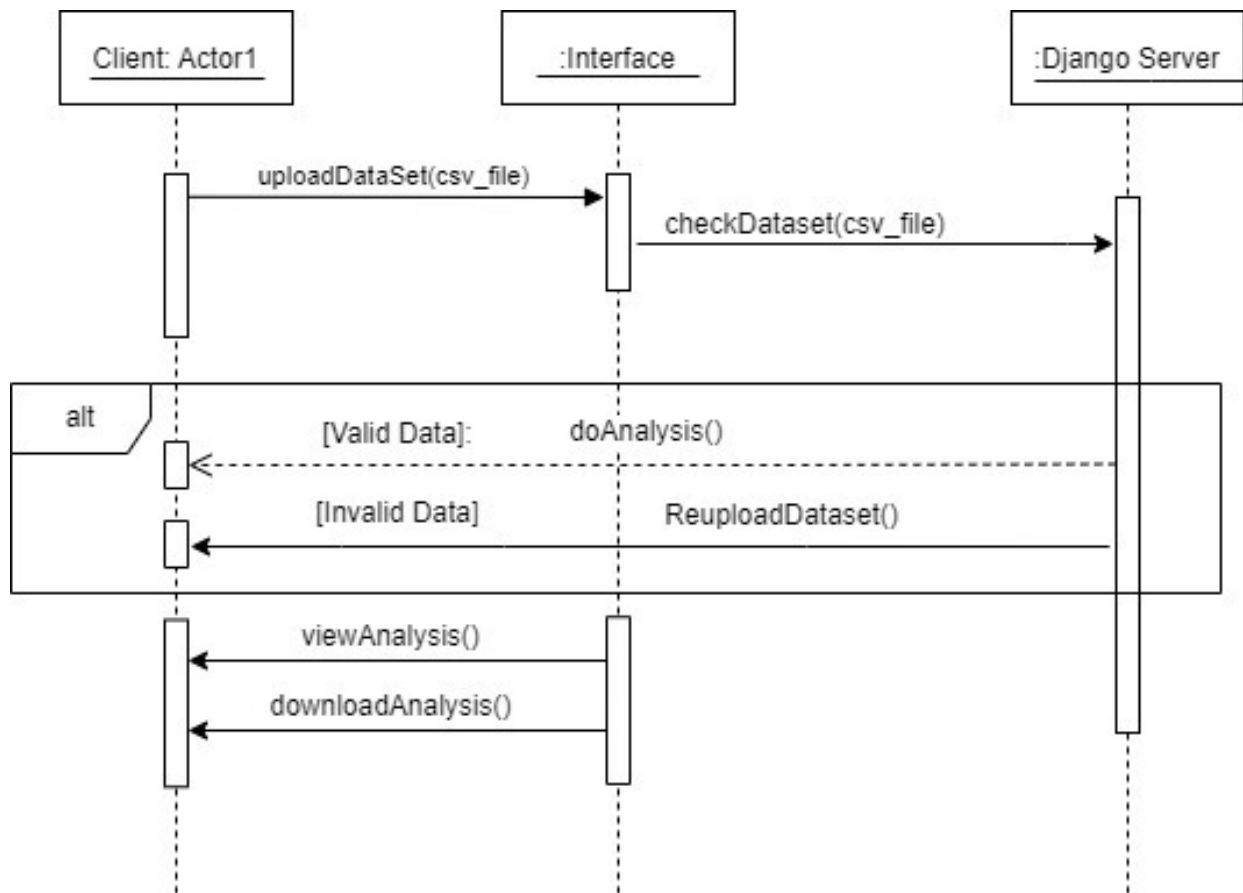
Collaboration Diagram

2. Deploy the verification details on the system and server to download the analysis

Collaboration Diagram

Conclusion

UML interaction diagrams complement the more static nature of UML class diagrams by making explicit the dynamic interactions involved. Both the diagrams are pretty similar, but understanding the subtle difference superficially, the sequence diagram is related to the time sequence of messages and the collaboration diagram is related to the overall organizational structure of objects responsible for sending and receiving messages. Thus, we have successfully Completed Interaction and Collaboration Diagram for our case study