Here are my relevant diagrams in the order in which they were requested, i.e.:

· A class diagram for the system.

· A sequence diagram for booking an appointment.

· An activity diagram for a receptionist booking an appointment.

The reference of the (industry-grade) tool “PlantUML” I used to generate the above-mentioned diagrams is as follows:

- PlantUML (2021). *PlantUML Language Reference Guide*, version 1.2021.2. Retrieved from http://plantuml.com/guide. Last accessed on May 24th, 2022.