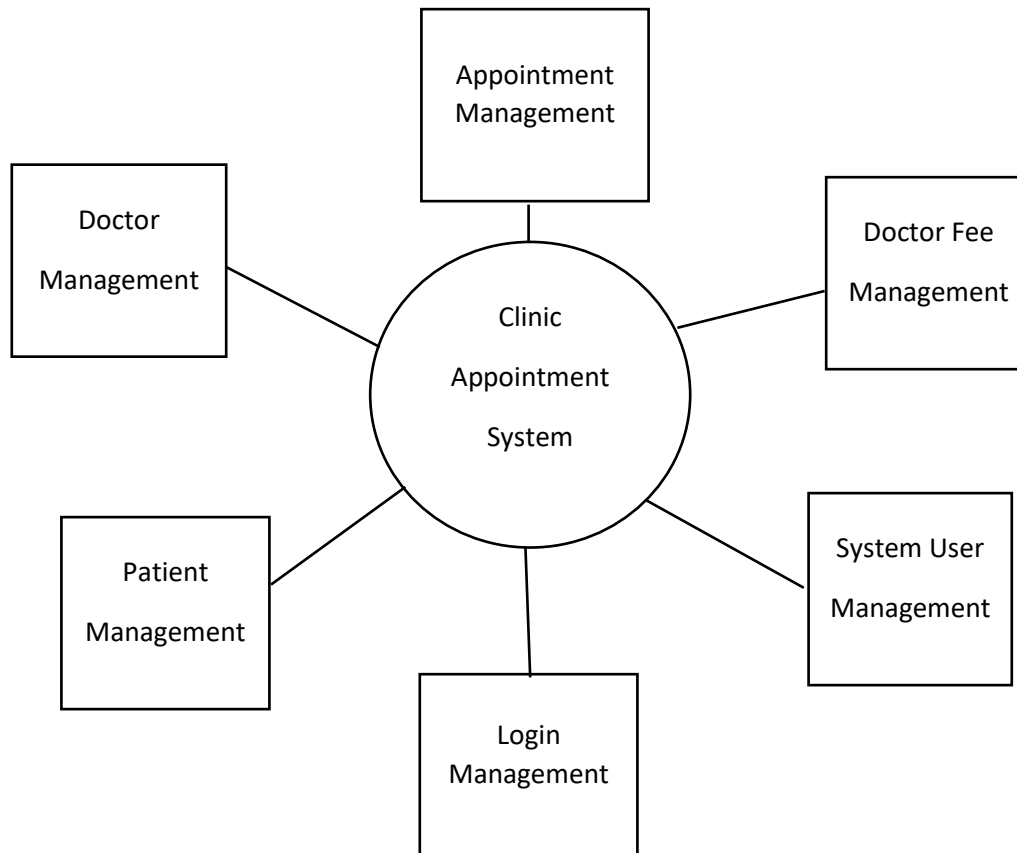SCCF/02349/2021

SHELMITH WAMAITHA WANDERA

1. **Pick an appropriate software engineering methodology** (2 marks)
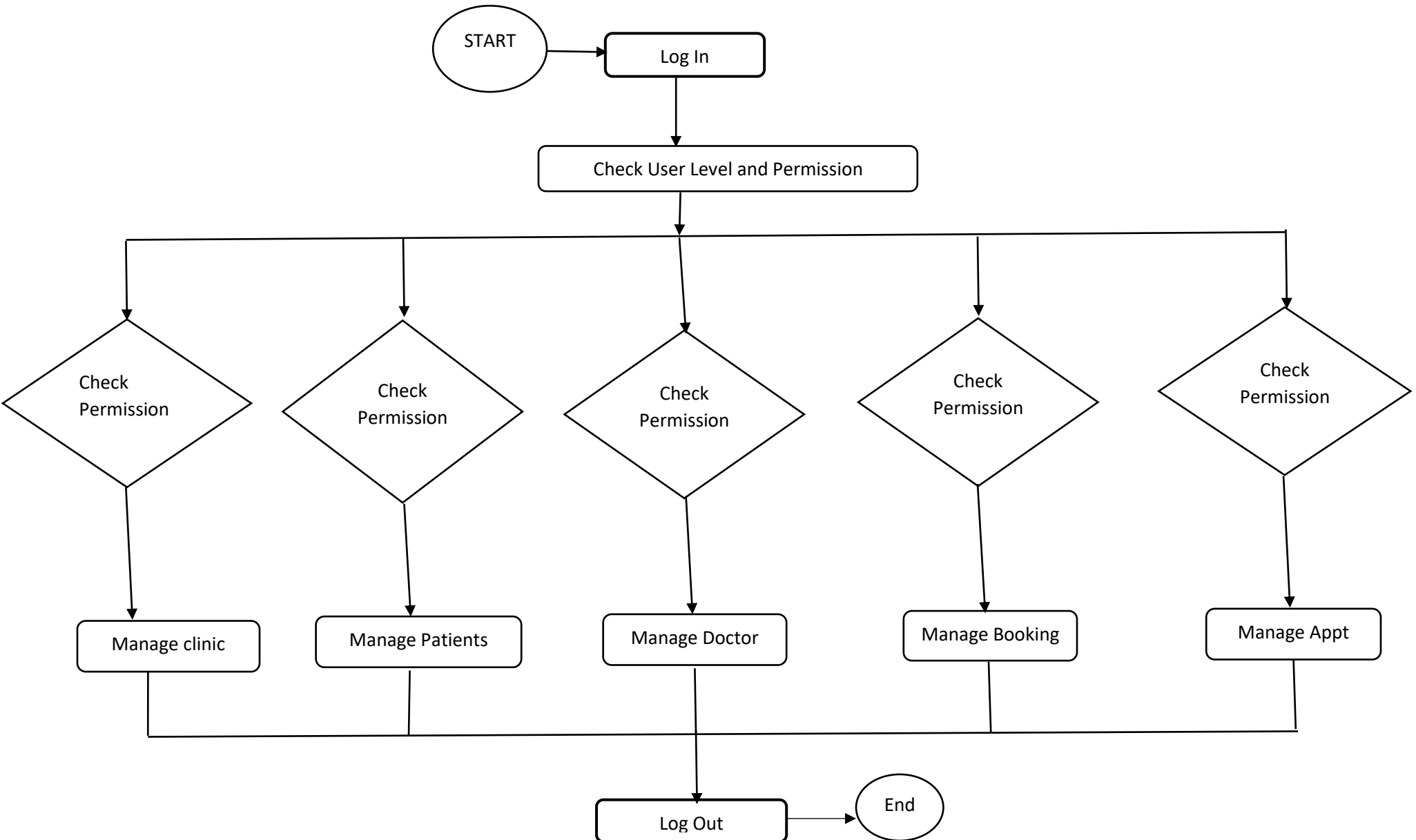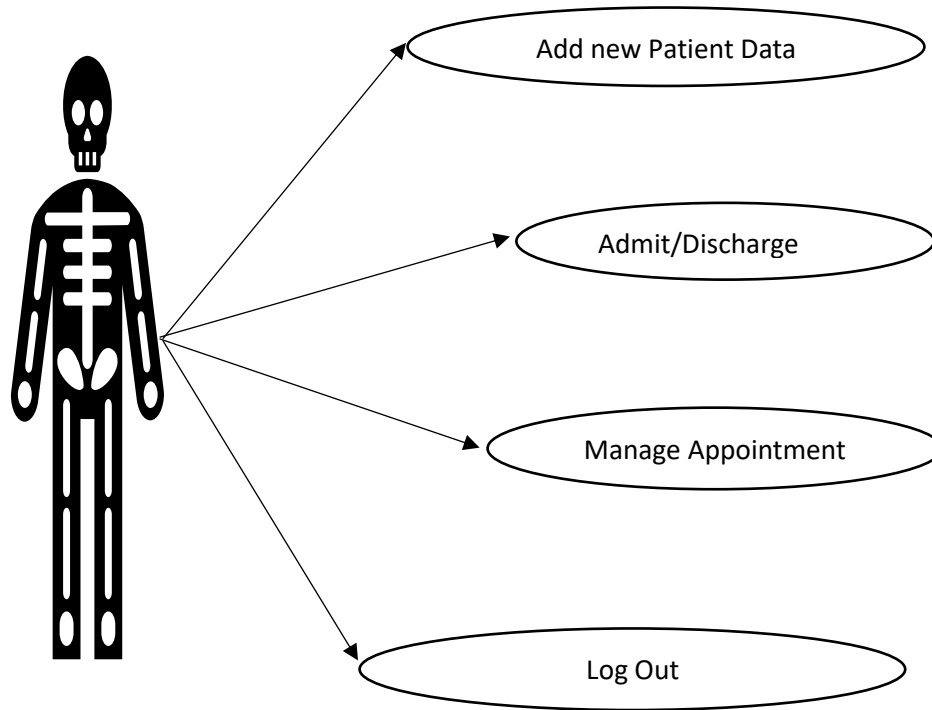   Agile methodology.

2. **Context Models** (5 marks)
   It is a visual representation of system environment, stakeholders and external factors that influence its development and operation. This model helps to understand the system scope requirements and constraints enabling effective decision making and communication throughout the system development lifecycle.

Interaction models

START → Log In

Log In → Check User Level and Permission

Check User Level and Permission

Check Permission → Manage clinic

Check Permission → Manage Patients

Check Permission → Manage Doctor

Check Permission → Manage Booking

Check Permission → Manage Appt

Log Out → End

Structural Models

Behavioral Models

Environment Characteristics	Population Characteristics	Health Characteristics	Outcomes
Health Care System	Predisposing	Health Practice	Health Status
External Environment	Enabling	Use of health Services	Quality of life
	Need		