- **Actors:** External entities (users or other systems) that interact with the system.

  - **Customer:** An individual who books, cancels, and views appointments and services.

  - **Employee:** A staff member who approves appointments and views services.

  - **Administrator:** A user responsible for managing services and employee information within the system.

  - **Timer/Clock:** An abstract actor representing a system scheduler that triggers time-based events (e.g., sending reminders).

- **System Boundary:** The rectangle labeled "Beauty Salon Appointment System" defines the scope of the system, enclosing all the Use Cases it provides.

- **Use Cases:** Ovals representing distinct pieces of functionality that provide observable value to an actor.

  - Log In: Allows actors to gain access to the system.

  - Book Appointment: Enables customers to schedule appointments.

  - Cancel Appointment: Allows customers to cancel existing appointments.

  - View Services: Lets customers and employees browse the available services.

  - Approve Appointment: Allows employees to confirm pending appointments.

  - Manage Services: Enables administrators to add, modify, or remove salon services.

  - Manage Employees: Enables administrators to manage employee details and schedules.

  - Send Reminder: A system-initiated function to send appointment reminders.

  - Check Availability: A sub-process to verify if a selected time slot is open.

  - Suggest Alternative Slot: A sub-process to offer alternative times if a chosen slot is unavailable.

Relationships:

- **Association (Solid Line):** Connects actors to the Use Cases they interact with.

  - Customer interacts with Book Appointment, Cancel Appointment, and View Services.

  - Employee interacts with Approve Appointment and View Services.

- Administrator interacts with Manage Services and Manage Employees.

- Timer/Clock initiates Send Reminder.

- **Include (..> <<include>>):** Indicates that the source Use Case *always* incorporates the behavior of the target Use Case. It signifies mandatory, common functionality.

  - Book Appointment includes Log In (implicitly, as it's a precondition for many actions) and Check Availability (as availability must always be verified during booking).

  - Approve Appointment includes Log In.

  - Manage Services includes Log In.

- **Extend (<. <<extend>>):** Indicates that the target Use Case's behavior *may* be inserted into the source Use Case under specific conditions. It signifies optional or exceptional functionality.

  - Suggest Alternative Slot extends Book Appointment. This means that during the "Book Appointment" process, if the chosen slot is unavailable, the system might trigger the "Suggest Alternative Slot" functionality. The attached note clarifies this condition: "Triggered if the selected time slot is taken."

Beauty Salon Appointment System

Book Appointment —«include»→ Check Availability

Book Appointment —«include»→ Log In

Cancel Appointment

View Services

Approve Appointment —«include»→ Log In

Manage Services —«include»→ Log In

Manage Employees

Send Reminder

Suggest Alternative Slot

«extend»

Eğer seçilen saat doluysa tetiklenir.

Customer

Employee

Administrator

Timer/Clock

Bob

hello

Alice