

# Schedule Management

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# Contents

<b>1</b>	<b>Schedule Management</b>	<b>3</b>
1.1	Scope . . . . .	3
1.2	Functional Requirement . . . . .	3
1.3	Non-Functional Requirement . . . . .	4
1.4	Schedule management DFD . . . . .	5

# 1 Schedule Management

## 1.1 Scope

In schedule management module the provider will be able to set the schedule slots and can make the slot repeat week wise, how ever he/she wants.

## 1.2 Functional Requirement

Table 1: Functional Requirements

Functionality No.	Description
<b>FR-1</b>	The provider should be able to create schedule slots specifying date, start time, end time, and any additional relevant information (e.g., location or service type).
<b>FR-2</b>	The provider should have the option to make slots repeat on a weekly basis. This should include defining the recurrence pattern (e.g., every Monday and Wednesday) and the end date for recurring slots.
<b>FR-3</b>	The system should maintain and display the availability of slots in real-time, ensuring that overbooking or double-booking is prevented.
<b>FR-4</b>	Providers should be able to edit or delete existing slots as needed. Modifications should be reflected accurately in the schedule.
<b>FR-5</b>	The provider can schedule multiple slots within multiple different business.

### 1.3 Non-Functional Requirement

Table 2: Non-Functional Requirements

Non-Functionality No.	Description
<b>NFR-1</b>	The system should respond swiftly to user actions, even when dealing with a large number of schedules and recurring slots.
<b>NFR-2</b>	The system should respond swiftly to user actions, even when dealing with a large number of schedules and recurring slots.
<b>NFR-3</b>	The system should be scalable to accommodate a growing number of providers and clients without compromising performance.
<b>NFR-4</b>	The schedule management module should have a high level of availability and reliability. It should be operational 24/7 with minimal downtime.
<b>NFR-5</b>	The user interface should be intuitive and user-friendly, requiring minimal training for providers to create, manage, and understand their schedules.

## 1.4 Schedule management DFD

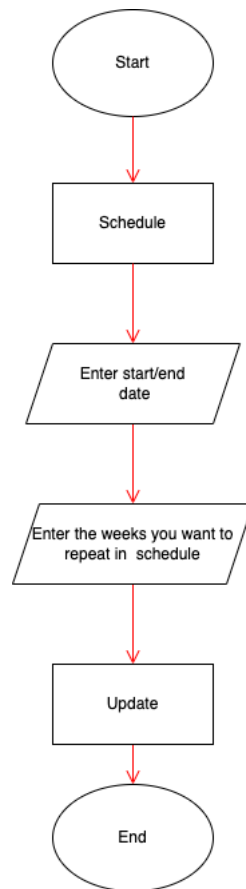


Figure 1: Schedule management DFD