**Project Design Phase-II**

**Data Flow Diagram & User Stories**

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| --- | --- |
| Date | 31 January 2025 |
| Team ID | LTVIP2025TMID54470 |
| Project Name | DocSpot |
| Maximum Marks | 4 Marks |

**✅ Data Flow Diagram (DFD) – Level 1**

This diagram represents how data flows between the main entities in your system:

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| Admin Panel |

+---------------------+

|

v

[Doctor Registration Request]

|

v

+-------------+

| Database |

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^

|

v

+-----------+ [Search & Book] +-------------+

| Patient | ----------------------> | Backend |

+-----------+ +-------------+

| |

| <---- Confirmation, Reminder, Status |

v |

[Upload Docs] [Verify Docs]

| |

v v

+-------------+ +---------------+

| Appointment| <----------------- | Doctor UI |

| Booking | [Manage Schedule, Update Status] |

+-------------+ +---------------+

**Main Entities:**

* **Patient**: Registers, books appointments, uploads medical records
* **Doctor**: Manages schedule, views patient requests, updates follow-ups
* **Admin**: Approves doctor profiles, oversees appointments
* **Database**: Stores user data, appointment details, medical records

**✅ User Stories for DocSpot**

Below are categorized **User Stories** following the format:  
As a [user type], I want to [do something], so that [goal].

**👤 Patient User Stories**

| **USN** | **User Story** | **Story Points** |
| --- | --- | --- |
| USN-1 | As a patient, I want to register using email/password so that I can create an account. | 2 |
| USN-2 | As a patient, I want to receive a confirmation email after registration. | 1 |
| USN-3 | As a patient, I want to register using Gmail or Facebook for faster sign-up. | 2 |
| USN-4 | As a patient, I want to search for doctors by specialization/location. | 2 |
| USN-5 | As a patient, I want to book an appointment by choosing from available time slots. | 3 |
| USN-6 | As a patient, I want to upload documents before the appointment for doctor's reference. | 2 |
| USN-7 | As a patient, I want to receive notifications for confirmed, canceled, or rescheduled appointments. | 2 |
| USN-8 | As a patient, I want to view my appointment history and visit summaries. | 2 |

**👨‍⚕️ Doctor User Stories**

| **USN** | **User Story** | **Story Points** |
| --- | --- | --- |
| USN-9 | As a doctor, I want to register and submit verification documents for approval. | 2 |
| USN-10 | As a doctor, I want to view appointment requests in my schedule. | 2 |
| USN-11 | As a doctor, I want to approve or reject booking requests. | 2 |
| USN-12 | As a doctor, I want to update appointment statuses and add follow-up notes. | 3 |
| USN-13 | As a doctor, I want to upload post-consultation reports and prescriptions. | 2 |

**🛠️ Admin User Stories**

| **USN** | **User Story** | **Story Points** |
| --- | --- | --- |
| USN-14 | As an admin, I want to review and approve or reject new doctor registration requests. | 3 |
| USN-15 | As an admin, I want to monitor all appointment activity for quality and compliance. | 2 |
| USN-16 | As an admin, I want to resolve conflicts between patients and doctors if needed. |  |