



# BD Wedding Management System

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Prepared for: Sabuj Chandra Paul

Team Members:

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- Urmi Ghose,
- Jannat Arbin Chowdhury Omi

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## 1. Introduction

The BD Wedding Management System is a web-based platform crafted to streamline and modernize the wedding planning process in Bangladesh. It offers tools for both administrators and clients, ensuring a smooth experience from planning to execution.

## 2. Background of the Project

Planning weddings in Bangladesh often involves multiple vendors, scattered communications, and overwhelming logistics. Our motivation is to digitize and centralize the management process, enhancing organization, communication, and client satisfaction.

## 3. Objectives

- Streamline the wedding management workflow
- Provide dynamic service and portfolio management

- Create a responsive and user-friendly interface
- Ensure secure authentication and admin control

## **4. Scope**

The system includes an admin dashboard, client-facing website, and secure backend. It handles bookings, portfolios, testimonials, and user profiles. However, payment gateway and mobile app versions are out of scope for this phase.

## **5. Literature Review / Related Work**

Several wedding planning websites exist globally, like The Knot and WeddingWire. Locally, services like BDWed and BiyeBazaar offer listings, but lack full-featured dashboard and content control. Our system incorporates ideas from CMS and modern design patterns.

## **6. Methodology**

- **Frontend:** React (Next.js), Tailwind CSS, MUI
- **Backend:** Node.js, Express
- **Database:** MongoDB (Mongoose)
- **Authentication:** JWT, Passport
- **Email:** Nodemailer.
- **Uploads:** Multer

Development was done in agile sprints with GitHub for version control.

### **Development phases or workflow:**

The BD Wedding project development workflow involves three main components:

## **1. Backend Server (server/):**

- Built with Node.js, Express, and MongoDB.
- Provides RESTful API endpoints for managing services, events, bookings, testimonials, and more.
- Handles authentication for both admin and client users using JWT and password hashing.
- Manages file uploads, email services, OTP verification, and OAuth.
- Serves static files and connects to MongoDB for data persistence.
- Includes utility scripts for tasks like admin user creation.
- Runs on port 5000 and serves as the central data and business logic layer.

## **2. Admin Panel Frontend (admin/):**

- A Next.js application serving as the administrative dashboard.
- Allows admins to manage website content, services, portfolios, testimonials, team members, and orders.
- Features dark mode, rich text editors, data visualization, and email integration.
- Proxies API requests to the backend server for seamless data operations.
- Uses React context and hooks for state management and UI behavior.
- Runs on port 3000 during development.

## **3. Client Frontend (client/):**

- A Next.js application providing the user-facing interface.
- Supports user authentication, profile management, service browsing, and contact forms.
- Manages authentication state with JWT tokens and React context.
- Integrates with the backend API for data fetching and mutations.

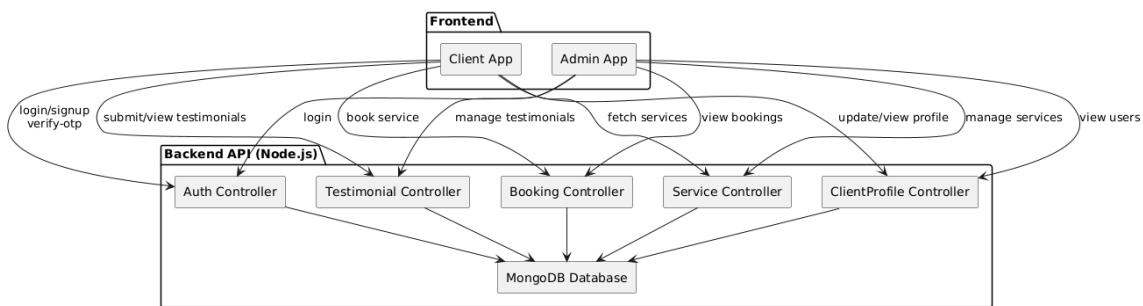
- Supports dark mode and uses modern UI libraries like Material UI and Tailwind CSS.
- Runs on port 3001 during development.

### **Development Workflow Summary:**

- Developers work on the backend server to build and maintain API endpoints, authentication, and business logic.
- The admin panel frontend is developed to provide content and service management capabilities, interacting with the backend APIs.
- The client frontend is developed to offer a seamless user experience for wedding-related services, consuming backend APIs securely.
- Local development involves running the backend on port 5000 and the frontends on port 3000, with API requests proxied appropriately.
- Environment variables are used across all components for configuration.
- The workflow includes running utility scripts, managing database connections, and handling file uploads.
- Modern React features like context, hooks, and rich text editors are leveraged in the frontends for enhanced UX.

This structured separation of concerns facilitates efficient development, testing, and deployment of the BD Wedding platform.

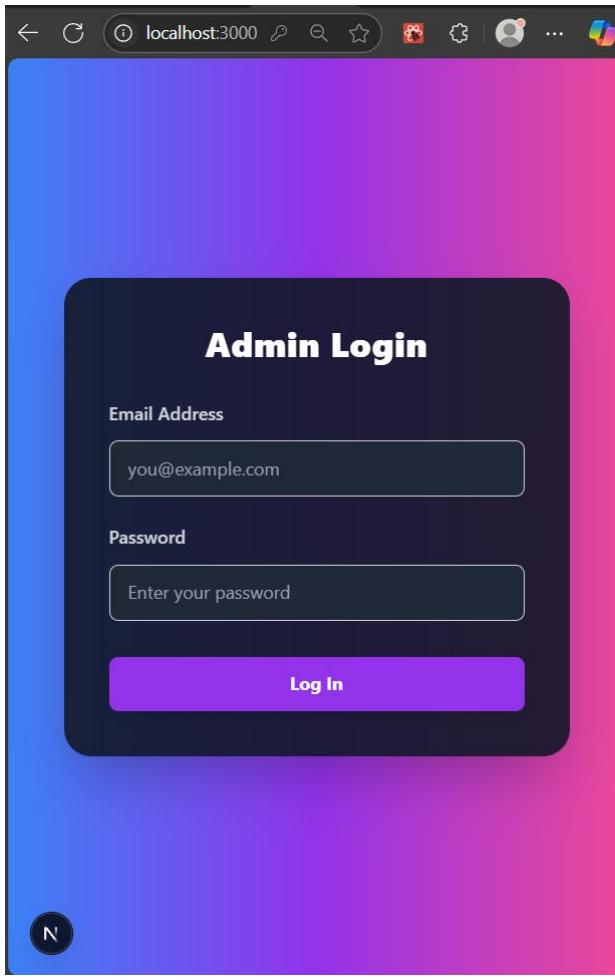
### **Design models (UML diagrams):**



## **Implementation / Development:**

1. Verify backend server setup and API endpoints are running and accessible.
2. Verify admin panel frontend runs, loads, and can communicate with backend APIs.
3. Verify client frontend runs, supports authentication, and communicates with backend APIs.
4. Check environment variable configurations for all components.
5. Confirm file upload handling and static file serving.
6. Validate authentication flows for admin and client users.
7. Confirm dark mode toggle and UI responsiveness on both frontends.

## **Admin Site:**



localhost:3000

Admin Login

Email Address  
you@example.com

Password  
Enter your password

Log In

localhost:3000/dashboard

Welcome, Md.Istiak

Events 2 Testimonials 4 Packages 2 Messages 1

Services Provided

wedding wedding1

Recent Activity

localhost:3000/dashboard

**Services Provided**



wedding  
wedding1

**Recent Activity**

Profile	Name	Message	Date
	Md.Istiak Hussain adil	2025-07-15	
	Md.Istiak Hussain adil	2025-07-15	
	Md.Istiak Hussain adil	2025-07-15	
	Md.Istiak Hussain adil	2025-07-09	

**wedding**

**Md.Istiak Hussain adil**

**Type:** Message

**Date:** 2025-07-15

**Message:** ekhon thik asse ni

**Md.Istiak Hussain adil**

**Md.Istiak Hussain adil**

**Md.Istiak Hussain adil**

localhost:3000/home/hero-section

## Hero Section Management

Title

BD Shaadi System

Subtitle

Digital Solutions for Dream Weddings

Call to Action Text

Services

Background Video

Choose File No file chosen

BABY CARE ESSENTIALS

Save

localhost:3000/home/service-packages

## Service Packages

Add New Service

Name	Description	Action	Action
cvcv	xcbcbxbsdi	Edit	Delete
sgsgs	sgsgsgsgsgsgsgs	Edit	Delete

localhost:3000/home/hero-section

## Hero Section Management

Title

BD Shaadi System

Subtitle

Digital Solutions for Dream Weddings

Call to Action Text

Explore our Services

Background Video

Choose File No file chosen

Save

localhost:3000/home/footer

Contact Info

Address

Hetimganj,Sylhet,Bangladesh

Email

istiakadil346@gmail.com

Phone

01900000000

Social Media Links

Facebook

<https://www.facebook.com/istiak.adil.2024>

Twitter

<https://x.com/istiakadil>

Instagram

[https://www.instagram.com/9li9\\_4d1/](https://www.instagram.com/9li9_4d1/)

LinkedIn

[https://www.instagram.com/9li9\\_4d1/](https://www.instagram.com/9li9_4d1/)

Save

localhost:3000/services

## Service Packages

New Service New Service Category >

**Traditional Mehendi Decor Package**  
A full setup for Mehendi ceremony including floral backdrops, stage, lights, and seating arrangements.

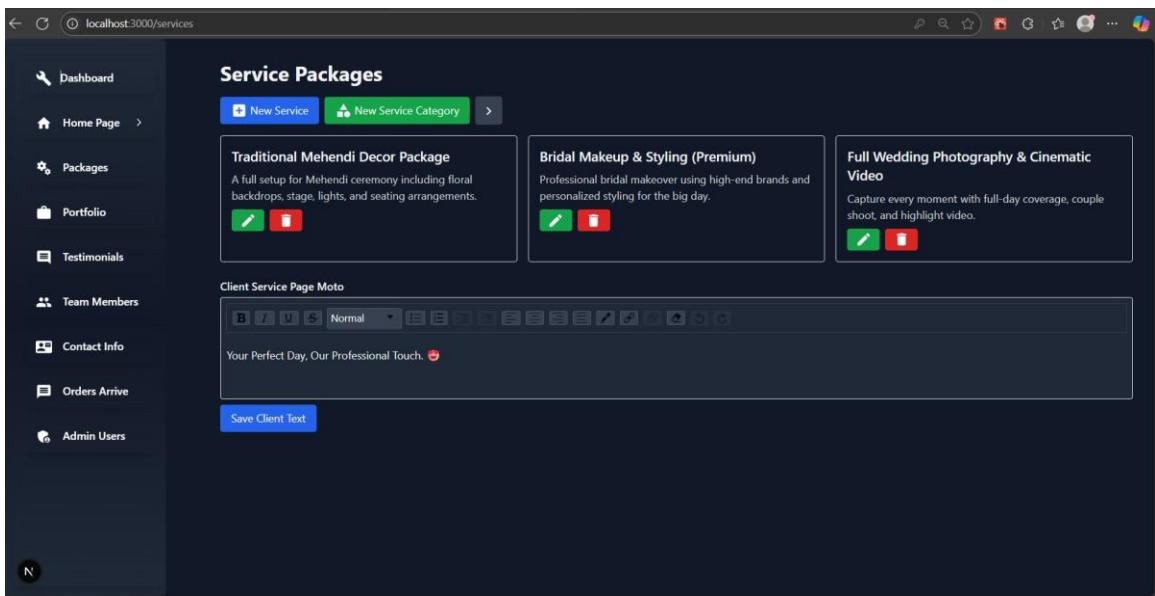
**Bridal Makeup & Styling (Premium)**  
Professional bridal makeover using high-end brands and personalized styling for the big day.

**Full Wedding Photography & Cinematic Video**  
Capture every moment with full-day coverage, couple shoot, and highlight video.

Client Service Page Moto

Your Perfect Day, Our Professional Touch. 😊

Save Client Text



localhost:3000/services

## Service Packages

New Service New Service Category >

**Traditional Mehendi Decor Package**  
A full setup for Mehendi ceremony including floral backdrops, stage, lights, and seating arrangements.

**Bridal Makeup & Styling (Premium)**  
Professional bridal makeover using high-end brands and personalized styling for the big day.

**Full Wedding Photography & Cinematic Video**  
Capture every moment with full-day coverage, couple shoot, and highlight video.

Add New Service Package

Title

Description

Enter description...

Price (BDT)

tk

Icon URL

Enter icon URL

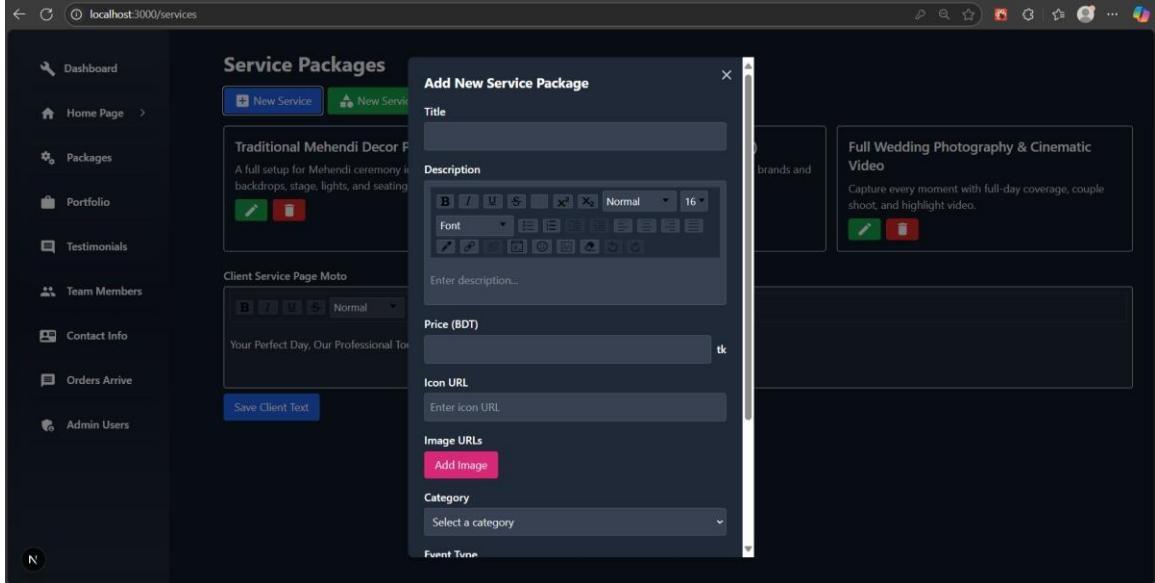
Image URLs

Add Image

Category

Select a category

Event Type



localhost:3000/portfolio

Dashboard

Home Page >

Packages

Portfolio

Testimonials

Team Members

Contact Info

Orders Arrive

Admin Users

+ New Category

Categories

New Event

Title

Name

Gaye holud

Wedding

Category

Select a category

Images URLs

Title

Holud Shondha

Mehedi

Entertainment

Add Image

Description

Enter description

Cancel Save

Actions

Actions

Actions

localhost:3000/testimonials

Dashboard

Home Page >

Packages

Portfolio

Testimonials

Team Members

Contact Info

Orders Arrive

Admin Users

Testimonials

Client Name	Email	Message	Display	Actions
Md.Istiak Hussain adil	istiakadil43@gmail.com	hi	<input checked="" type="checkbox"/>	Delete

**Team Members Management**

Add a New Team Member

Full Name \*

Position / Role \*

Short Biography \*

Facebook Profile URL

Instagram Profile URL

Profile Photo

Choose File No file chosen

Display this member on the team page

**Add Member**

**Manage About Page Content**

Our Story

BD Shaadi System was born from a dream to simplify and personalize wedding planning in Bangladesh. What began as a small team with big passion has grown into a full-service platform helping couples celebrate their love — stress-free.

Blending tradition with technology, we offer tailored services, trusted vendors, and modern tools to create unforgettable weddings of all sizes and styles. From engagement to reception, we're here to make your journey smooth, joyful, and truly yours.

Because at BD Shaadi System, it's more than just a wedding — it's your story.

Mission & Values

At BD Shaadi System, our mission is to simplify and personalize wedding planning for Bangladeshi couples through trusted, tech-driven solutions. We value our clients above all else, operate with honesty, cultural respect, and a commitment to delivering quality service with innovation and care.

**Save About Content**

**Existing Team Members**

Name	Role	Bio	Image	Facebook	Instagram	Visibility	Action
Istiaq Adil	camera man	this is me		<a href="#">Facebook</a>	<a href="#">Instagram</a>	<a href="#">Visibility</a>	<a href="#">Edit</a>

localhost:3000/contact

## Contact Info / Settings Management

**Contact Information**

**Phone Numbers**  
01704080389  
Add new phone number  
**Add Phone Number**

**Email**  
istiaakadil@gmail.com

**Business Hours**

Monday	09:00 AM	-	06:00 PM
Tuesday	09:00 AM	-	06:00 PM
Wednesday	09:00 AM	-	06:00 PM
Thursday	09:00 AM	-	06:00 PM
Saturday	09:00 AM	-	06:00 PM
Sunday	09:00 AM	-	06:00 PM
Friday	02:00 PM	-	08:00 PM

localhost:3000/messages

## Messages / Inquiries Management

**Booking:** Bridal Makeup & Styling (Premium)  
**From:** Md.Istiaik Hussain adil (istiaakadil43@gmail.com)  
**Phone:** +8801704080389  
**Event Date:** 7/30/2025  
**Special Requests:**  
Emergency need  
Unread  
**Status:** pending  
**Payment Method:** bkash  
**Payment Number/Account:** 01704080389  
**Pending** **Received** **Cancelled** **Completed**

**Booking:** Wedding Decoration77xbxbxb  
**From:** Md.Istiaik Hussain adil (istiaakadil43@gmail.com)  
**Phone:** +8801704080389  
**Event Date:** 7/24/2025  
**Special Requests:**  
emergency  
Unread  
**Status:** pending

The image shows two screenshots of a web application interface, likely a dashboard for managing users.

**Screenshot 1: Admin Users Management**

This screenshot shows the "Admin Users Management" page at [localhost:3000/adminUsers](http://localhost:3000/adminUsers). The left sidebar includes links for Dashboard, Home Page, Packages, Portfolio, Testimonials, Team Members, Contact Info, Orders Arrive, and Admin Users. The main content area displays "Existing Admin Users" with three entries:

- Email: istiakadi8@gmail.com, Role: Full Access, with a "View" button.
- Email: jannat.arbin08@gmail.com, Role: User, with a "View" button.
- Email: istiakadi43@gmail.com, Role: User, with a "View" button.

A green button labeled "New Admin" is located in the top right corner.

**Screenshot 2: Verify OTP**

This screenshot shows a modal dialog titled "Verify OTP" at [localhost:3000/admin/verify-otp?email=istiakadi346%40gmail.com](http://localhost:3000/admin/verify-otp?email=istiakadi346%40gmail.com). The dialog instructs the user to "Enter the 6-digit OTP sent to istiakadi346@gmail.com". It contains three buttons: "Enter OTP" (disabled), "Verify OTP" (green background, enabled), and "Resend OTP".

localhost:3000/admin/register?email=istiakadi346%40gmail.com

**Set Your Password**

Email: istiakadi346@gmail.com

Admin Type

User

Password

Enter your password

**Set Password**

## CLIENT SITE:

localhost:3001

BD Wedding Planner

**BD Shaadi System**  
Digital Solutions for Dream Weddings  
[Explore our Services](#)

### Our Service Packages

Service Package	Price
Traditional Mehendi Decor Package	25000 tk
Bridal Makeup & Styling (Premium)	18000 tk
Customize Package	Click to customize your package

localhost:3001

## Event Gallery

All Gaye holud

### What Our Clients Say

hi

Md.Istiak Hussain adil

## Our Story

**BD Shaadi System** was born from a dream to simplify and personalize wedding planning in Bangladesh. What began as a small team with big passion has grown into a full-service platform helping couples celebrate their love — stress-free. Blending tradition with technology, we offer tailored services, trusted vendors, and modern tools to create unforgettable weddings of all sizes and styles. From engagement to reception, we're here to make your journey smooth, joyful, and truly yours. Because at BD Shaadi System, it's more than just a wedding — it's your story.

## Mission & Values

At BD Shaadi System, our mission is to simplify and personalize wedding planning for Bangladeshi couples through trusted, tech-driven solutions. We value our clients above all, and operate with honesty, cultural respect, and a commitment to delivering quality service with innovation and care.

## Meet Our Team

Istiak Adil  
camera man

Istiak hussain Adil  
camera man

Jannat Arbin  
designer

localhost:3001/services

BD Wedding Planner

## Our Services

Your Perfect Day, Our Professional Touch. 😊



Traditional Mehendi Decor Package



Bridal Makeup & Styling (Premium)



Full Wedding Photography & Cinematic Video

About Us

Quick Links

Contact

Follow Us

Name  
Md.Istiak Hussain adil

Email  
istiakadil43@gmail.com

Phone  
+8801704080389

Event Date  
mm/dd/yyyy

Special Requests

Account Number  
Enter your account number

Pay With

VISA  AMERICAN EXPRESS  iKash   

Submit Booking

localhost:3001/services/6876a94167269c517e6f01ff

**BD Wedding Planner**

## Bridal Makeup & Styling (Premium)



Professional bridal makeover using high-end brands and personalized styling for the big day.

- ✓ MAC/HD makeup
- ✓ Hair styling
- ✓ Saree/Dress draping
- ✓ Trial session included

**18000 tk**

Book this service

Name  
Md.Istiak Hussain adil

Email  
istiakadil43@gmail.com

Phone  
+8801704080389

Event Date  
mm/dd/yyyy

Special Requests  
 Enter special requests here...

Account Number  
Enter your account number

Pay With

VISA  AMERICAN EXPRESS  iKash  নগদ  PayPal 

**Submit Booking**

**BD Wedding Planner**

**Our Portfolio**  
**Mehedi Shondu**  
Turmeric ceremony with friends and family.  
Includes stage, decorations, traditional food, music, and dress.



**About Us**  
*This is the footer of our BD wedding management footer*

[Portfolio](#) [Contact](#) [Phone: 01900000000](#)

[Add Testimonial](#)

### Add Testimonial

 Md.Istiak Hussain adil

**Testimonial**

Enter your testimonial here...

[Cancel](#) [Submit](#)

**About Us**  
*This is the footer of our BD wedding management footer*

[About](#) [Services](#) [Portfolio](#) [Contact](#)

Hetingong,Sylhet,Bangladesh  
Email: istiakadil346@gmail.com  
Phone: 01900000000

**Follow Us**

localhost:3001/contact

## Contact Us

Name  
Md.Istiak Hussain adil

Email  
istiakadil43@gmail.com

Message

Enter your message here...

Send Message >

### Contact Information

**Phone:** 01704080389  
**Email:** istiakadil43@gmail.com  
**Location:** SubidBazar,  
Bangladesh  
**Business Hours:**  
 Monday: 09:00 - 18:00  
 Tuesday: 09:00 - 18:00  
 Wednesday: 09:00 - 18:00  
 Thursday: 09:00 - 18:00  
 Saturday: 09:00 - 18:00  
 Sunday: 09:00 - 18:00  
 Friday: 14:00 - 20:00



localhost:3001/dashboard

## Client Dashboard

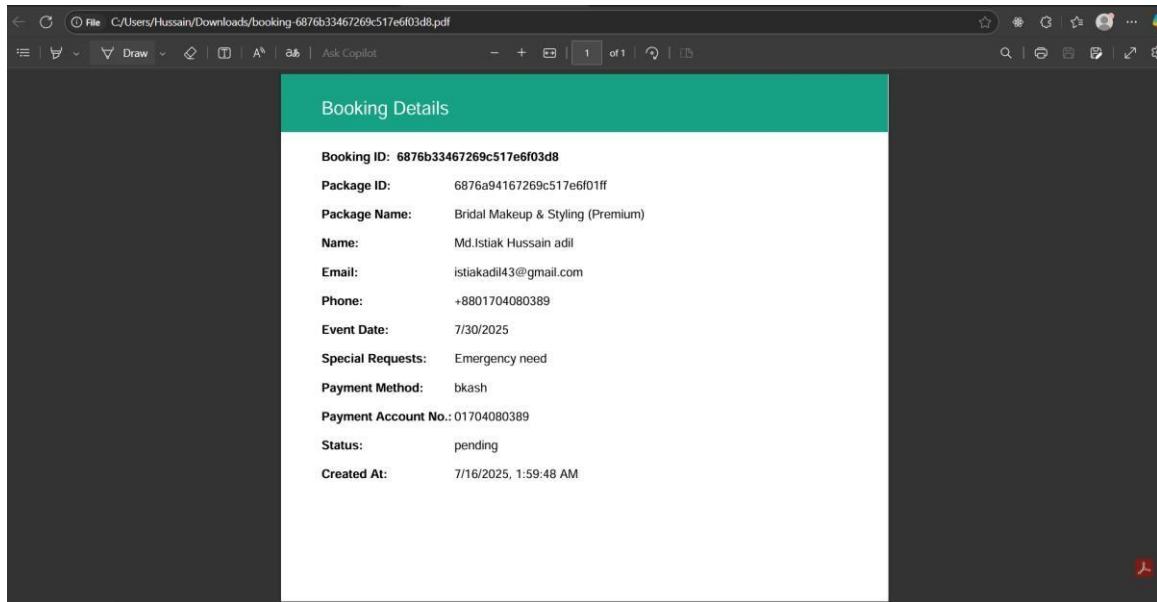
### Personal Information



**Name:** Md.Istiak Hussain adil  
**Phone:** +8801704080389  
**Address:** Sylhet,Bangladesh

### Order Information

Package ID	Package Name	Event Date	Payment Method	Payment Account Number	Status	Created At	Download PDF
6876a94167269c517e6f01ff	Bridal Makeup ...	7/30/2025	bkash	01704080389	pending	7/16/2025, 1:59:48 AM	<a href="#" style="color: blue;">Download</a>
686e74759b3f708c1757fa39	Wedding Deco...	7/24/2025	bkash	01300000000	pending	7/9/2025, 11:52:22 PM	<a href="#" style="color: blue;">Download</a>



## 7. Implementation / Development

The client interface includes dynamic pages: Home, Services, Portfolio, Testimonials. Admin dashboard allows real-time content editing, dark mode, and secure login. MongoDB schema manages events, users, and testimonials.

(Screenshots and sample code would be added here.)

## 8. Results / Analysis

The deployed system met all project objectives: responsive UI, admin features, dark mode, authentication, and service browsing. Admins can manage all content without touching code.

## 9. Challenges Faced

- Integrating secure JWT login
- Dark mode dynamic theming
- Synchronizing frontend-backend data flow
- Image preview with uploads

Challenges were resolved through team pair programming and continuous testing.

## **10. Conclusion**

BD Wedding Management System delivers a scalable and visually elegant solution tailored for wedding organizers. With full admin control and client interaction, it enhances digital transformation in event planning.

## **11. Future Scope**

- Integration with payment gateways
- Mobile app version for Android/iOS
- Real-time chat for vendors and clients
- AI recommendations for budget-based planning