**KhadiBV.IN – Empowering Tradition Through Technology**

**👥 Team Members**

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**📝 Project Overview**

**KhadiBV** is a full-stack e-commerce platform designed to promote sustainable fashion and empower local artisans by digitizing the sale of Khadi products. It bridges the gap between traditional craftsmanship and modern consumers through a user-friendly interface and innovative features like product customization, chatbot support, and multilingual accessibility.

**🚀 Features**

* **🧶 Product Repository** – Kurtas, sarees, accessories, and customized outfits
* **🎨 Customization Engine** – Real-time tailoring options (neck design, sleeve, fabric)
* **🛒 Shopping Cart & Wishlist** – Save, update, and manage items
* **🔐 User Authentication** – Secure login for buyers and sellers
* **📦 Order Management** – Track orders, checkout system, status updates
* **🧾 Admin Dashboard** – Manage products, users, and seller records

**💻 Tech Stack**

| **Layer** | **Technology Used** |
| --- | --- |
| Frontend | HTML, CSS, JavaScript |
| Templating | EJS |
| Backend | Node.js, Express.js |
| Database | MongoDB |
| IDE | Visual Studio Code |
| Tools | Postman |

**📁 Project Structure**

KhadiBV/

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├── backend/ → User-side application

│ ├── routes/ → User-related routes

│ ├── public/ → Static assets (CSS, JS, images)

│ ├── models/ → MongoDB schemas for users, products, etc.

│ ├── controllers/ → Logic for handling user requests

│ ├── views/ → EJS templates for user interface

│ └── app.js → Entry point for user backend

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├── admin-panel/ → Admin-side application

│ ├── routes/ → Admin-related routes

│ ├── public/ → Admin-specific static assets

│ ├── models/ → Schemas used for admin operations

│ ├── controllers/ → Admin logic (user management, product control)

│ ├── views/ → EJS templates for admin panel

│ └── admin.js → Entry point for admin backend

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└── README.docx → Documentation file

**⚙️ Installation & Setup Instructions**

1. **Install Dependencies**

npm install

1. **Setup MongoDB**
   * Make sure MongoDB is running.
   * At: mongodb://localhost:27017/backend
2. **Run the Application**

npx nodemon app.js (for backend -user side)

npx nodemon admin.js(for admin side)

* + Visit: <http://localhost:5500> (User Side)
  + Visit: [http://localhost:5000](http://localhost:5000%20%20Admin) (Admin Side)

**✅ Functional Modules**

* User Registration & Login
* Seller Authentication
* Product Management
* Add to Cart & Wishlist
* Product Customization
* Order Placement & Checkout
* Admin Dashboard
* Notifications & Chat Support

**🧪 Testing Strategy**

* **Postman** – API testing for user authentication, cart, orders
* **Manual Testing** – Edge cases, responsive behavior, error handling
* Focused on usability, form validation, cart updates, and order logic

**📚 References**

* W3Schools – <https://www.w3schools.com>
* MDN Web Docs – <https://developer.mozilla.org>
* Postman Learning – <https://learning.postman.com>
* Khadi & Village Industries Commission – <https://www.kviconline.gov.in>

**🌍 Objective**

To preserve the essence of India’s Khadi heritage by building a scalable and accessible digital platform that benefits both consumers and local artisans. KhadiBV merges traditional values with digital innovation, enabling a future-ready platform for sustainable and culturally rich fashion.