## **> Week 1: Project Initiation & Planning**

### **Deliverables:**

- Finalize **system architecture & database schema** - Set up **development environment** (Git, DigitalOcean, Database, Frameworks)

- Git  
- Define **user roles & permissions** (RBAC)  
- Set up **Spring Boot backend** (Authentication & API structure)  
- Set up **Angular frontend** (Theme & UI components)  
- Define **API endpoints** and **data models**

## **> Week 2: User Authentication & Role Management**

### **Deliverables:**

- Implement **JWT authentication** (Login, Registration, Logout)  
- Implement **Role-Based Access Control (RBAC)**- Secure **API endpoints based on roles**- Implement **password encryption (BCrypt)**- Create **Admin dashboard for user management**

## **> Week 3: Client Onboarding & Communication Module**

### **Deliverables:**

- Implement **client registration & profile management**- Enable **tracking of communication** (emails, calls, meetings)  
- Implement **automated follow-up reminders & notifications**- Create **UI for client status updates & tracking**

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## **> Week 4: Project Monitoring & Documentation Management**

### **Deliverables:**

- Implement **secure document storage & version control**- Enable **file uploads (drawings, BOQs, compliance reports)**- Implement **search & organization by project, client, or department**- Develop **project timeline tracking** with status updates  
- Integrate **task management & assignment**

## **> Week 5: Financial Tracking & Invoice Management**

### **Deliverables:**

- Implement **invoice generation & tracking**- Enable **payment reconciliation & expense tracking**- Develop **financial reporting dashboards**

## **> Week 6: Reporting & Analytics**

### **Deliverables:**

- Develop **customizable reports** for sales, technical & finance teams  
- Implement **data visualization dashboards**- Enable **exporting reports (PDF, CSV, Excel)**- Implement **real-time notifications for system activities**

## **> Week 7: Compliance & Approval Workflow**

### **Deliverables:**

- Implement **tracking of government approvals & compliance statuses**- Enable **automated notifications**- Implement **compliance document storage & management**

**- Document expense** tracking

## **> Week 8: Testing & Quality Assurance**

### **Deliverables:**

- Conduct **unit testing & integration testing**- Perform **user acceptance testing (UAT)**- Fix **bugs & performance issues**- Optimize **database queries & API responses**- Implement **security enhancements**

## **> Week 9: User Training & Documentation**

### **Deliverables:**

- Train **administrators & end-users**- Provide **user manuals & FAQs**- Finalize **database schema documentation**- Set up **post-launch support system**

## **> Week 10: Deployment & Go-Live**

### **Deliverables:**

- Deploy **backend (Spring Boot) & frontend (Angular) to DigitalOcean**- Perform **final system tests**- Migrate **real client data**- Monitor **system performance & stability**- Official **handover & client sign-off**