



RJ's  
**Design** *Studio*

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# PROPOSAL FOR WEB APPLICATION

## ASAS MEDICAL



## INTRODUCTION

This proposal outlines the development of a comprehensive web platform combining breast cancer education for reviewing breast cancer diagnostic results, built on Laravel and MySQL. To create an integrated platform that raises breast cancer awareness while providing a secure, user-friendly tool for medical professionals to review and analyze breast cancer diagnostic results.

## PROJECT OVERVIEW

### Objectives

- Develop a user-friendly, responsive, and secure website.
- Ensure SEO optimization for better search engine visibility.

### Key Features:

- Provide accessible breast cancer education resources
- Enable secure upload and analysis of diagnostic reports
- Facilitate collaboration between patients and healthcare providers
- Maintain strict data privacy and HIPAA compliance
- Offer multilingual support for broader accessibility
- Responsive & Modern UI

## TECHNOLOGY STACK

Component	Technology / Tool
Backend Framework	Laravel 10 (PHP)
Frontend	Blade templates, Bootstrap 5, JavaScript
Database	MySQL
Hosting	Server hosting



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## CORE FEATURES BREAKDOWN

### User-Facing Awareness Components

- **Educational Resources**
- Interactive breast anatomy and cancer types explorer
- Risk factor assessment tool
- Prevention and early detection guidelines
- Treatment options information
- Survivor stories and support resources

### Secure Web Application Components

- **User Management System**
  - **Patient Registration:** Secure signup with email verification
  - **Healthcare Professional Registration:** Credential verification process
  - **Role-based Access Control:**
    - Patients (view own records, basic education)
    - Doctors (full access to assigned patients, analysis tools)
    - Administrators (system management, content updates)
- **Diagnostic Results Management**
  - Secure file upload (mammograms, biopsy reports, lab results)
  - Support for multiple file formats (PDF, JPG, DICOM)
  - Automated data extraction from standardized reports
  - Results categorization and risk scoring
- **Analysis Dashboard**
  - Visual representation of diagnostic trends
  - Comparative analysis with previous results
  - Risk assessment indicators
  - Treatment progress tracking
  - Annotations and notes system
- **Collaboration Tools**
  - Secure messaging between patients and doctors
  - Appointment scheduling system
  - Second opinion request workflow
  - Report sharing with controlled permissions



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## DEVELOPMENT PROCESS

### Phase 1: Planning & Requirement Analysis

- **Client Meeting:** Finalize features.
- **Competitor Analysis:** Study similar platforms for UX/UI inspiration.
- **Documentation:** Prepare SRS (Software Requirements Specification).

### Phase 2: Planning & Wireframing

- **Laravel project setup and basic authentication**
- **Database design and migration**
- **Basic UI/UX design with Bootstrap**
- **User registration and profile management**

### Phase 3: Awareness Development (Laravel)

- Educational content management system
- Public-facing pages and resources
- Basic forum functionality
- Multilingual support implementation

### Phase 4: Medical Application Development

- Secure file upload and storage system
- Diagnostic results management
- Basic analysis dashboard
- Role-based access control refinement

### Phase 5: Advanced Features

- Automated analysis
- Advanced visualization tools
- Messaging and collaboration features
- Mobile responsiveness optimization
- **Security Measures:**
  - CSRF protection.
  - HTTPS enforcement.
  - SQL injection prevention (Eloquent ORM).



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## Phase 6: Testing

- Security audit and penetration testing
- Performance optimization
- HIPAA compliance verification
- Production deployment

## Phase 6: Deployment

- **Hosting:** server deployment.
- **Post-Launch:** Bug fixes

## TIMELINE & MILESTONES

Phase	Estimated Duration
Planning & Research	1 Week
Backend Development	3 Weeks
Frontend Development	2 Weeks
Security Features	1 Week
Testing & Debugging	1 Week
Deployment & Training	1 Week
<b>Total Estimated Time</b>	<b>8-9 Weeks</b>

## CHARGES, MILESTONES & TERMS OF PAYMENT

The total cost for the web application, outlined below, encompasses both front-end and back-end design and development.



## Website Design and Development

Component	Cost
Backend and frontend Development	AED 2,500.00
<b>Total Cost for Website AED 2,500.00</b>	

## Project Milestones and Payment Terms

The project will be divided into two distinct milestones, with payment terms outlined below. Payments may be made via Bank Transfer or PayPal, with the preferred method confirmed upon approval.

Sl.No	Milestone	Deliverables	Payment
1	Milestone 1 Advance	Completion of Initial discussions and purchase order placement for the commencement of work.	50% of project value
2	Milestone 2 Final Delivery	Project Completion and Hosting	50% of project value

## EXCLUSIONS

The following are the list of exclusions that shall be arranged by the Client:

1. Product High resolution photographs – Minimum Resolution 3840 x 2160 pixels
2. Content of the website.
3. Website Logo.

## MAINTENANCE

Ongoing website updates and maintenance will be provided subject to the execution of a Maintenance Agreement following project completion. The specific terms and scope of this agreement will be established in mutual consultation with the client.

## REVISIONS AND APPROVALS

- **Content Approval:** All content will be submitted to the client for approval before posting.



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- **Revisions:** Up to 2 rounds of revisions are included for each piece of content or campaign.

## CONFIDENTIALITY AND INTELLECTUAL PROPERTY

- **Confidentiality:** All information and materials provided by the client will be treated as confidential and will not be shared without prior consent.
- **Intellectual Property:** The client retains ownership of all content and assets created under this agreement.

## SIGNATURES

By signing below, both parties agree to the terms and conditions outlined in this Scope of Work.

- *RJ's Design Studio:*

- **Signature:** \_\_\_\_\_
- **Date:** \_\_\_\_\_

- *M/s ASAS-Medical:*

- **Signature:** \_\_\_\_\_
- **Date:** \_\_\_\_\_

We trust that our proposal aligns with your company's expectations. Please feel free to reach out at your convenience to discuss any details and confirm the next steps.

**Sincerely,**

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