Documentation for Syllabus → Question Paper Web Page

# Overview

This project is a simple web application front-end built using HTML, CSS, Bootstrap 5, and Font Awesome. The purpose of this web page is to provide a user-friendly interface for generating question papers from syllabus files. The user can upload a syllabus file (in .pdf, .docx, or .txt format), select the paper type (50 or 75 marks), and generate a downloadable question paper.

# Key Components

1. HTML Structure  
- The document uses the standard HTML5 structure with <!DOCTYPE html>.  
- lang="en" specifies the document language as English.  
- The head section includes:  
 - Meta tags for UTF-8 encoding and responsive design.  
 - A title: Syllabus → Question Paper.  
 - Bootstrap 5 (CSS and JS) for responsive design and components.  
 - Font Awesome for icons.  
 - A custom CSS <style> block for theming.  
  
2. Custom CSS Styling  
- Theme Colors defined using CSS variables (--bg, --card, --accent, etc.).  
- Body background: custom image (img/me1.jpg).  
- Navigation bar (nav):  
 - Uses glassmorphism style with transparency and blur.  
 - Contains a gradient logo and navigation menu (Home, Upload, About).  
- Carousel:  
 - Displays multiple rotating images (me1.jpg, me2.jpg, me3.jpg).  
- Card Component:  
 - Central content block for the upload form.  
 - Styled with blur, shadow, rounded corners, and fade-in animation.  
- Form Styling:  
 - Styled file input and select dropdown.  
 - Primary button with gradient background and hover effects.  
- Footer:  
 - Contains About, Quick Links, and Contact Info.  
 - Styled links with hover effects.  
  
3. Navigation Bar  
- Logo text: Syllabus → QP.  
- Menu items:  
 - Home (#home)  
 - Upload (#upload)  
 - About (#about)  
  
4. Carousel (Image Slider)  
- Implemented using Bootstrap’s Carousel component.  
- Contains 3 images:  
 - me1.jpg, me2.jpg, me3.jpg (stored in static/img/).  
- Navigation buttons allow sliding between images.  
  
5. Upload Form Section  
- Title: Syllabus → Question Paper.  
- Description: Explains file formats supported and purpose.  
- Form includes:  
 - File input (accepts .pdf, .docx, .txt).  
 - Dropdown (select) for paper type (50 Marks or 75 Marks).  
 - Submit button with gradient styling.  
- Form method: POST with multipart/form-data (required for file uploads).  
  
6. Footer Section  
- Divided into three columns:  
 1. About: Brief description of the tool.  
 2. Quick Links: Navigation shortcuts (Home, Upload, Help).  
 3. Contact Information: Email and phone number.  
- Copyright:  
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# External Dependencies

- Bootstrap 5.3.2 (CDN): For layout, carousel, and responsive grid system.  
- Font Awesome 5.15.3: For icons used in navigation and buttons.

# Features

- Modern UI with glassmorphism effect.  
- Responsive design: Works on mobile and desktop.  
- Carousel for visual appeal.  
- Upload form with validation and styling.  
- Interactive navigation and footer links.

# How It Works

1. User opens the web page.  
2. Navigation bar allows quick access to sections.  
3. Carousel showcases images.  
4. In the upload section:  
 - User selects a syllabus file.  
 - Chooses paper type (50/75 marks).  
 - Submits form.  
5. (Back-end processing not included in this code; must be implemented separately to generate question paper.)  
6. Footer provides extra information and contact details.

# Future Enhancements

- Add backend integration (Python/Flask, Node.js, etc.) to process syllabus and generate question papers.  
- Enable file preview before uploading.  
- Provide download link for generated question papers.  
- Improve accessibility with ARIA labels and screen reader support.

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