

Documentation of Changes

Current Code	Problem	The Fix	Remarks
DEBUG = os.environ.get('DEBUG', 'False').lower() in ('true', '1')	Application showed a blank or 500 error page during local development	Changed DEBUG = True temporarily for development	Should be False in production for security
Navigation bar links using {% url %} in tags	Links were stacked vertically, duplicated and appearing as paragraphs	Fixed navigation structure in with proper spacing and header CSS	CSS must enforce inline- block or flex styling
Footer had basic or no layout	Lacked structured sections and styling	Added 3-column layout with logo, help links, contact info, and social icons	Custom CSS applied, removed Tailwind dependency
Font Awesome icons not displaying	Missing or incorrect <link> to Font Awesome in <head>	Added CDN: <link rel='stylesheet' href='https://cdn.jsdelivr.net/...'>	Icons now render properly in all templates
Social media icons stacked vertically	Poor user experience in footer	Applied display: flex; gap: 10px; to social icons container	Improves layout and UX
notifications.html using {% extends 'base.html' %} with limited override	Page didn't fully apply header and footer correctly	Embedded header and footer manually in notifications.html	Necessary workaround due to partial extension limitations
Join Us	Dead/placeholder link	Replaced with {% url 'users:register' %}	Link is now functional and dynamic
Sort-by feature in course_list.html	Dropdown didn't trigger sorting	Replaced dropdown with a <form> using GET method to submit selected sort	Now sorts based on price, duration, etc.
personalised.html used {% extends 'base.html' %} only partially	Layout broken, no consistent styling	Refactored personalised.html to include full header/footer structure manually	Ensures visual consistency with other pages
Icons missing in personalised.html	Font Awesome not loaded in that file	Added <link rel='stylesheet' href='...font-awesome...'> in <head>	Icons now appear properly
course_progress.html route or template showed 404 error	Broken link or missing route	Corrected URL and ensured corresponding view/template exists	Page now loads successfully



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{% url 'register' %}	NoReverseMatch: 'register' not found. Template tries to reverse 'register', but the URL is actually 'users:register'.	{% url 'users:register' %}	Since app_name = 'users', you must reference URLs with the namespace users.
{% url 'dashboard' %}	NoReverseMatch: 'dashboard' not found. No global dashboard URL - it's inside users.	{% url 'users:dashboard' %}	Always prefix URL names with the namespace (users) when app_name is set.
redirect('dashboard')	NoReverseMatch: 'dashboard' not found. dashboard exists within users, not globally.	redirect('users:dashboard')	Applies to both redirect() and reverse().
redirect('profile')	NoReverseMatch: 'profile' not found. profile is in users, but referenced without namespace.	redirect('users:profile')	Ensure consistent namespace usage in redirects.
{% url 'profile' %}	NoReverseMatch: 'profile' not found. Template fails due to missing namespace.	{% url 'users:profile' %}	Fix by using namespaced URL as per your URLconf.
POST form missing {% csrf_token %}	CSRF verification failed on form submission.	Add {% csrf_token %} inside the form tag.	Every POST form targeting an internal URL needs {% csrf_token %} for security.
Form used stale CSRF token after login/logout	CSRF verification failed. Token was rotated, but form had old one.	Reload page to refresh CSRF token before submitting form.	CSRF tokens change after login/logout - always refresh form page.
{% url 'dashboard' %} in homepage nav	NoReverseMatch: 'dashboard' not found. No global dashboard URL exists.	{% url 'users:dashboard' %}	Applies to any template referencing user dashboard links.

