

Project Definition

Client: MPB Education (Flora Marshall)

Project: MPB Education website

Date: 27/03/2025

Version: 1.0.0

Objective

MPB Education is a provider of GCSE tutorials on a range of subjects. Without a current website, MPB education currently has little online presence. MPB Education also struggles with organizing and maintaining a large client base.

As such, MPB Education is looking to have a web application constructed that allows for organization and enrollment of students and group tutor sessions. On top of this, the client is looking to eliminate third-party costs of tutor directories, by providing a solid primary web presence for their brand.

Success Metrics

Goal	Metric
Increase visibility and credibility by creating a professional, informative, and user-friendly website.	Reduced reliance on third-party directories (measured by decreased spending on external listings)
Simplify the process of student registration, course enrollment, and client management.	Reduction in manual administrative work (time saved on enrollment processing)
Position MPB Education as a trusted provider of GCSE tutorials.	Positive testimonials & reviews displayed on the site and streamlined ability to create testimonials.

Assumptions

Assumption	Why It's Risky	Mitigations
API Integrations will work as intended	APIs may fail or change	<ul style="list-style-type: none">• Monitor API health with sentry.• Document fallback procedures
Tutor/Students Will Use the UI as Intended	Poor UX could lead to manual workarounds (e.g.,	<ul style="list-style-type: none">• Conduct usability testing with real

	tutors bypassing the system).	users before finalizing designs. <ul style="list-style-type: none"> Log user interactions to identify friction points post-launch.
Backend Logic Will Handle Scheduling Conflicts	Overlapping sessions or tutor availability bugs could disrupt bookings.	<ul style="list-style-type: none"> Build conflict-detection algorithms and rigorously test edge cases. Include buffer times in scheduling logic.

Constraints

- Multimedia testimonials (video, audio) will use far more space than text.
- End of the school year approximates to 24th of July, ideally an MVP model will be up by then.
- If payment integration is required, client would need to setup an account themselves, ready for API integration.
- Celery/Redis is not something I have yet utilized in deployment, but a knowledge gap I am willing to overcome to provide automated emails to clients, particularly with regards to notifying regarding sessions.

Milestones

1. Conceptualization (Mockups & Wireframing) - 04/04/2025
2. Initial Development (Minimum Viable Product) - 18/04/2025
3. Iterative Development (Testing and Finalization) - 02/05/2025
4. Deployment – 07/05/2025

Requirements

Requirement	Story	Importance	Notes
Testimonials	Flora would like to showcase testimonials to build brand authority. These would ideally be interchangeable on the backend.	High	For initial development, I will place emphasis on text-only testimonials. While doable, video and audio may require

			more space and thus incur greater cloud costs. It also adds a lot of complexity for a singular data model.
Session Management & Creation	Flora would like to have a centralized place to manage the creation of tutorial sessions. This will help prevent overbookings and has the potential to ensure students/clients are well notified.	High	Ideally, this would involve integration with MS Teams API, allowing Flora to create/manage/notify regarding sessions/lessons from within the MS Teams APP. However, I will keep this out of scope for the first iteration, to maintain simplicity.
Student creation/managment	Flora would like a centralized interface to manage students easier. This would allow Flora to see which students are enrolled for tutoring in which subjects, and perhaps which groups, if there are multiple groups per subject.	High	This will also allow for the facilitation of notifications of sessions and group/subject-based communications (ie, lesson summaries, homework, etc.)

Out of Scope

For the interests of brevity, mitigation of complexity and ensuring a viable product is completed with ease, I have come to decide these requirements are out of scope for this iteration of the product:

- Payment Integration
- Student Enrollment

- MS Teams Integration
- Video and Audio testimonials

Tech Stack

- **Backend:** Django5.1.7, Python3.10
- **Database:** SQLite3
- **APIs:** Payment Integration (Undecided provider), Brevo (SMTP server, automated-email)
- **Hosting:** PythonAnywhere
- **Security:** Various Django security features (CSRF, SQL Injection Protection, XSS, etc.)

Payment Terms

- **Total Project Cost:** £0
- **Project Payment Schedule:**
 - Deposit: N/A upfront
 - Milestone 1: N/A
 - Final Payment: N/A

Signatures

Client Approval:

Name: Flora Marshall

Signature: _____

Date: _____

Developer Approval:

Name: Charlie Marshall

Signature: _____

Date: _____