



WEB DEVELOPMENT (WEDE5020/P/W PART 1 PROPOSAL 2

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1. Organisation Overview.

Byte is a made-up organisation that will combine coffee with smart technology. As it was founded on 2025, Byte is unique by offering subscriptions to coffee services where customers can receive carefully selected coffee beans on their profile and suggest brewing suggestions. Byte will use a website platform and pair another application that will handle the subscriptions and suggest fermenting coffee tips.

2. Website Goals.

- Byte's website will let customers create custom profiles that will suit their taste while managing their accounts.
- An integration of a suitable engine must be made. (Pixel Plex, 2025).
- The website will show suitable coffee roasters.
- The website aims at providing different cooking methods for coffee making.
- The website must be secured.

3. Target Audience.

- Byte aims to have customers from twenty-two to forty-five
- Byte wants to target customers that are interested in coffee and new technology.

4. Website Features.

- The homepage must have coffee beans and coffee machines.
- The dashboard must have all the subscription settings that were set by the customer.
- There must be a blog page where customers can interact with each other on new coffee trends.
- The website must have a checkout option.

5. Design Aesthetic.

Byte will use modern designs with coffee beans and a dark background as a reminder to the colour of coffee. They will be other warm colours such as brown and copper. The User Interface will be more tech forward.

6. Technical Stack.

- For frontend, Byte will use “react.js” for a more modern customer experience. (Bidkar, 2023).
- For backend, the business will use “Node.js” for the customers profiles. (Bidkar, 2023).
- Byte will use “Vercel” and “MongoDB Atlas”. (Geeks for Geeks, 2025).
- Byte will use GitHub for the version control and deploying the project. (Coders Stop, 2025).

7. The Timeline and the Budget for the Project.

Each Phase.	The Duration of the Project.	The Estimated Costs of the Project.
Planning the Project and Researching the Project.	(0-1 Week)	R0
Designing the project.	(1-2 Week)	R400
Developing the project.	(2-3 Week)	R2 000
Creating pictures for the Website.	(3-4 Week)	R600
Testing the Project.	(5-4 Week)	R0
Total	N/A	R3 000

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