**WebDev Hub**

**Cover Page**

**Subject:** Web Development (WEDE5121)  
**Project:** Website Project Proposal  
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**Group:** Group One

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**1. Organisation Overview**

* **1.1 Name:** WebDev Hive
* **1.2 Brief History:**  WebDev Hive, founded since 2025, is a platform that is one of the best places to find infinite amounts of templates and resources. CodyHouse along with similar professional resource platforms inspire it since of the clear need demonstrated for accessible, high-quality front-end resources. The project started by observing that few platforms offer a curated modern collection of components and templates only built by vanilla HTML, CSS, and JavaScript despite many platforms existing. With this focus that is on foundational technologies, developers mastering the core building blocks of the web will be empowered. They are then able to move on to more complex frameworks.
* **1.3 Mission and Vision:**
  + **Mission:** To accelerate the learning journey of web developers by providing a free, meticulously crafted collection of vanilla code templates, UI components, and learning resources.
  + **Vision:** To be the leading open-source hub for practical, framework-free web development resources that empower students and professionals to build beautiful, functional websites.
* **1.4 Target Audience:** The primary audience includes web development students, junior developers, and self-taught coders focused on mastering core technologies. The secondary audience includes educators and mentors seeking practical, real-world examples for their curriculum.

**2. Website Goals and Objectives**

* **2.1 Goals:**
  1. **Educate:** Provide clear, real-world code examples that demonstrate modern CSS techniques (Flexbox, Grid, custom properties) and interactive JavaScript.
  2. **Empower:** Offer ready-to-use templates and components that users can download and adapt for their own projects, enhancing their portfolios and practical skills.
  3. **Engage:** Foster a community of learners by creating a dedicated channel for users to suggest new content and contribute to the project's growth.
* **2.2 Key Performance Indicators (KPIs):**
  1. **User Engagement:** Achieve 500+ monthly active users within six months of deployment.
  2. **Content Adoption:** Track template downloads, aiming for 1,000+ total downloads in the first year.
  3. **Community Contribution:** Receive 15+ new template or component suggestions per month via the enquiry.html form.
  4. **Session Duration:** Maintain an average session duration of over 2 minutes and 30 seconds.

**3. Current Website Analysis (Market Need)**

As this is a new project, a market need analysis was conducted. A gap exists for a platform that combines a modern, premium design aesthetic (like "glassmorphism") with a strict focus on vanilla code. Existing free template sites are often outdated or heavily reliant on frameworks like Bootstrap. WebDev Hive will fill this niche by providing high-quality, contemporary resources that are immediately accessible to those learning the fundamentals.

**4. Proposed Website Features and Functionality**

* **Homepage (index.html):** An engaging landing page with a hero section, a grid of "Featured Templates," and key statistics.
* **Templates Page (templates.html):** A filterable gallery of all website templates.
* **Components Page (components.html):** A filterable gallery of UI components.
* **Template Detail Page (template-detail.html):** An interactive page with a resizable, live preview of the template, responsive viewport toggles, and tabbed sections for its HTML, CSS, and JS code.
* **Enquiry Page (enquiry.html):** A dedicated page with a form for users to suggest new templates or components, fostering community involvement.
* **Contact Page (contact.html):** A form for general feedback and collaboration opportunities, along with project contact details and hypothetical office locations on an embedded map (e.g., Cape Town and Johannesburg).
* **Resources Page (resources.html):** A curated list of authoritative external learning links.

**5. Design and User Experience**

* **5.1 Design Aesthetic and Branding:**
  + **Colour Scheme:** A dark-themed "glassmorphism" design.
  + **Typography:** Headings: "Inter" (Bold). Body: "Inter" (Regular). Code: "JetBrains Mono".
  + **Layout and Design:** A mobile-first, responsive layout enhanced with subtle animations, a mouse-follow spotlight effect, and 3D card tilt effects to create a premium user experience.
* **5.2 Low-Fidelity Wireframes:**
  + **Homepage Wireframe:**  
    - **Description:** The layout consists of a full-width navigation bar. Below is a large hero section with a main heading and call-to-action buttons. This is followed by a "Featured Templates" section with a 3-column grid of cards.
  + **Template Detail Page Wireframe:**  
    - **Description:** The main content area is a two-pane layout. The left pane contains the live preview iframe with viewport toggles above it. The right pane contains the code with tabs for HTML, CSS, and JS. A draggable vertical resizer separates the panes.

**6. Technical Requirements**

* **Hosting and Domain:** The project will be hosted for free on **GitHub Pages**, leveraging its seamless integration with Git for version control and deployment. The proposed domain is thedevhive.org.
* **Programming Languages:** The project will be built exclusively with vanilla **HTML5**, **CSS3**, and modern **JavaScript (ES6+)**.

**7. Timeline and Milestones**

|  |  |  |
| --- | --- | --- |
| **Milestone** | **Task** | **Estimated Completion** |
| 1 | Project Proposal & Planning | Week 2 |
| 2 | Homepage & Core CSS Structure | Week 4 |
| 3 | Templates & Components Gallery Pages | Week 6 |
| 4 | Dynamic Template Detail Page with Interactivity | Week 8 |
| 5 | Enquiry, Contact & Final Pages | Week 10 |
| 6 | Final Content Population, Testing & Deployment | Week 12 |

**8. Budget**

|  |  |  |
| --- | --- | --- |
| **Item** | **Estimated Cost (Annual)** | **Justification** |
| Hosting | R 0 | Hosted for free on the GitHub Pages platform. |
| Maintenance | R 0 | Maintenance will be performed by me the designer |
| **Total Estimated Cost** | **~R 275** |  |

**9. References**

* **Inspirational Organisation:** CodyHouse. Their mission to provide accessible front-end resources was a primary inspiration for this project's concept.
* **Placeholder Social Links:**
  + Twitter: https://twitter.com/codyhouse
  + GitHub: https://github.com/CodyHouse