



Placement Result Management System



Project Goals/Objectives

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- Develop a user-friendly website to calculate distances between two locations using the Google Maps API.
- Display accurate distance results in a clear format with map visualization for better understanding.
- Provide an intuitive interface for users to input locations easily and obtain reliable distance information.



Success metrics:



- **User Engagement:** Measure website visits, page views, and time spent on the website to assess user engagement.
- **Conversion Rate:** Track the percentage of users who successfully calculate distances to evaluate user satisfaction.
- **Accuracy of Distance Calculation:** Ensure precise distance results by comparing them with known distances.
- **User Feedback and Ratings:** Collect user feedback and ratings to identify areas for improvement and measure user satisfaction.



Project Scope:



- Develop a user-friendly website that calculates distances between two locations using the Google Maps API.
- Provide an intuitive interface for users to input source and destination locations and view accurate distance results.
- Display distance information with map visualization for better user understanding.



Communication Plan:



- Hold regular team meetings (weekly/bi-weekly) to discuss progress, challenges, and updates.
- Provide stakeholders with periodic progress reports and status updates on milestones achieved.
- Offer user documentation and FAQs to guide users on how to use the website effectively.
- Maintain an open feedback channel to gather user inquiries, feedback, and suggestions.
- Communicate any project scope changes, risks, and issues promptly to all relevant stakeholders.



Resourcing Strategy:



- **Technology Stack:** Choose appropriate technologies, such as HTML, CSS, JavaScript, Bootstrap, jQuery, and Python (for backend automation), to ensure efficient development and compatibility with project requirements.
- **API Usage Plan:** Outline a plan for using the Google Maps API efficiently, considering API limits and optimizing API calls to avoid unnecessary overhead.
- **Infrastructure and Hosting:** Determine the hosting platform and infrastructure requirements, considering scalability and performance needs, to ensure the website can handle user traffic effectively.
- **Budget Allocation:** Allocate resources for software licenses, hosting costs, and any third-party services required for the project, ensuring proper financial management throughout the development and deployment phases.



Key Stakeholders:

- Project Team
- Users
- Project Sponsors/Clients
- Management and Executives
- Google Maps API Provider



Project Risks:

- **Technical Dependencies:** Delays or issues arising from dependencies on external APIs, such as the Google Maps API, that could impact the project's timeline.
- **Data Accuracy:** Incorrect or outdated location data from the API affecting the accuracy of distance calculations and user experience.
- **User Acceptance:** Potential challenges in user adoption due to competition from existing distance calculation tools or user resistance to adopting a new service.
- **Performance and Scalability:** The website's performance may be impacted if there is a significant increase in user traffic, necessitating adequate scalability measures.