



The University of the West Indies

Department of Computing and Information Technology

Undergraduate Project Course

Project Timeline and Work Breakdown

Project Name: Save Planet Earth
Project Members:
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Project Objective(s): The project aims to be a platform where users can post eco-events indicate their attendance to the event, it will provide users with useful tasks for a cleaner eco-lifestyle and allow each user to track their progress via a chart when they complete certain eco-friendly tasks. Additionally, it provides challengers where users can earn a badge on the website as well as physical rewards such as vouchers, gift certificates etc.

Work Breakdown Structure - Deliverables

1. System Requirements, Elicitation & Specification
2. Context Diagram
3. High Fidelity Prototype
4. Build User Interface.
5. Set up Sign up, Login pages and database.
6. User Stories, Use Case Diagram, Class Diagram, Entity Model Relationship, Sequence Diagram.
7. Architectural Design
8. Integrate EventBrite API into our application for when users post events.
9. Set up Challenges and Rewards pages and create the tasks/challenges.
10. Pages for displaying information on environmental conservation, garbage collectors contact information and organising carpool.
11. Build footsteps tracker page and Carbon Emission reduced page.
12. Testing and Refactoring

Timeline Development - Schedule

| Deliverable | Activities | Estimated Time | Knowledge | Monetary Cost | Time Taken | Constraint | Dependency |
|---|--|----------------|------------------------|---------------|------------|------------|-------------------------|
| System Requirements | Establish application boundaries and functionalities | 3 hours | Software Engineering 1 | - | 2 hours | - | - |
| Context Diagram | Draw Context Diagram | 2 hours | Software Engineering 1 | - | 1 hour | - | - |
| High Fidelity Prototype | Build Login UI | 3 hours | HCI | - | 2 hours | - | - |
| Build User Interface | Create a user friendly interface | 5 hours | HCI | - | - | - | High Fidelity Prototype |
| Set up Sign up, Login pages and database. | - | 5 hours | Programming | - | - | - | UI |
| Integrate EventBrite API into our application for when users post events. | - | 2 hours | Programming | - | - | - | UI |
| Set up Challenges and Rewards pages and create the tasks/challenges. | - | 4 hours | Programming | TBA | - | - | UI |

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|--|---|---------|------------------------|---|---|---|-----------|
| Pages for displaying information on environmental conservation, garbage collectors contact information and organising carpool. | - | 1 hour | Programming | - | - | - | UI |
| Build footsteps tracker page and Carbon Emission reduced page. | - | 4 hours | Programming | - | - | - | UI |
| Testing and Refactoring | Test all pages and refactor the code as needed, | 5 hours | Software Engineering 2 | - | - | - | All pages |

GANTT CHART SHOWING SCHEDULE OF ALL ACTIVITIES AND TASKS

