

PROJECT INITIATION DOCUMENT

PROJECT MANAGEMENT AND RESEACH METHODS

CERI PUDDLE

PROJECT INITIATION DOCUMENT

Project Name: HelpOS

Team members:

- Jordan Daniels – Project manager.
- Ceri Puddle, Declan Chambers – Hardware/ Network Specialists.
- Rabea Benn, Andrew Cooper – Application developers/ Database developers.

Project Background

The project that our group has proposed is based around the H.A.L.O v1 system that provides emergency networking for disaster zones and provides an interface that uses the H.A.L.O networking service to host a local Website/App server that will provide helpful functionality in a recovery zone called helpOS.

The system will be used to report and store the status of the people who may be affected by a certain disaster (E.g if they are Lost or Found in many situations). It's a new implementation of the lost and found notice boards that are usually found in recovering disaster zones and it will be needed to help locate safe places and local sanitation/medical resources along with many other functionalities.

This project is will be able to help find family members (Even if the family member is not in the disaster area), find and locate areas that are counted as safe places for people to stay, get access to clean water and sanitation supplies.

This idea could solve the problem of time wasted searching through lost and found notice boards by providing one unified system that collects the victim's information and is quick and easy to use. Allowing more time to be spent on more important aspects of disaster recovery such as searching for potential victims.

The disaster has become more common in the recent decade because climate change is having on the world, more floods and earthquakes becoming a recurring issue. This project could potentially help speed up the recovery process of disaster zones and hopefully save lives.

Project Definitions

Objective

Provide a Website that has a server backend to allow the collection of data to aid in disaster recovery victims and to relieve the pressures of search crews by confirming whether a person is safe or not. The website will also provide extra functionality such as:

- Safe place finder
- Geocache
- Medial Aid locator
- Victims search
- Disaster notifications
- Aid and support volunteering
- Support team

These will also help the family's that branch outside of the disaster area by allowing their names to be searched and view their current safety status.

Scope

The project will require a lot of development and testing-based work, along with some implementation work. Project planning and research work will also be used to help provide a better understanding of what other products are out there and how we can take different concepts to make the final system.

The main type of clients that this product is the aim for is communities, councils, and governments that are of high risk to disasters such as for example, California with their quite violent wildfires and country's that follow the fault lines of continents who are the most prone to natural disasters.

This product is mainly targeted towards local geographical areas such as cities and towns, this will make sure that only the people who are in the facility are accounted for and there is no chance of mix-matched data that could occur if a person has the same name but lives in a different geographical location. Which helps to make sure the information is correct and valid.

The product is purely a small computer system that is set up as a portable web server to be used in conjunction with the H.A.L.O v1 system over the High-speed LAN and will be used by the recovery teams deployed in the disaster zone.

The product will be a mix of a website and an app to allow better compatibility across different devices. The idea can be used across all types of disasters meaning that the system is flexible in its uses.

Constraints

- Illnesses of the team members
- Incomplete parent tasks causing delays
- Potentially bad weather conditions cause team members not being able to come to meetings
- Loss of work due to data corruption
- Lack of time due to delays
- Conflicts of interests between the stakeholders which may cause some change to the current project and interrupt the deadline date based on the complexity of the change.
- Disasters such as fire or flooding

Authority

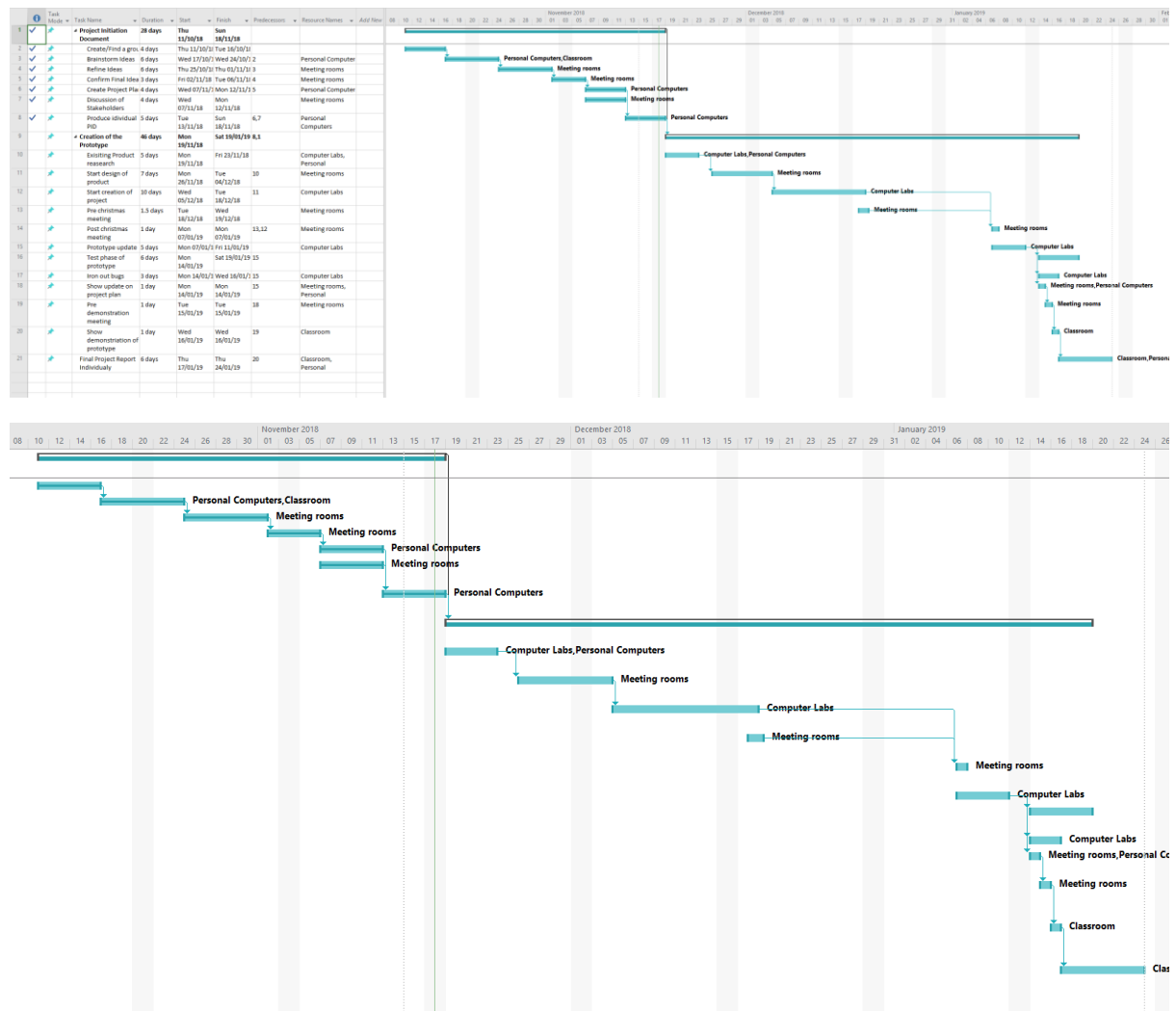
The current lead authority is Susan maw who is leading the Project management and research methods and backs the current project, along with the stakeholders (Which will also have some authority over the project) of the project such as:

- The Team members
- Clients such as Governments e.g.
- Private investors
- Disaster recovery victims

Resources

Throughout the team are going to need some resources that will help them complete their selected tasks, we are going to need access to rooms the we can use to set up meeting and track current progress, Access to project software to view and create our Gannt and pert charts, Access to computer systems which is mainly own devices, The use of cloud-based file sharing to enable us to work conjointly on pieces of work and the uses of a raspberry pie to create a prototype web server and database.

Project plan



		Task Mode ▾	Task Name ▾	Duration ▾	Start ▾	Finish ▾	Predecessors ▾	Resource Names ▾
1	✓	✈	Project Initiation Document	28 days	Thu 11/10/18	Sun 18/11/18		
2	✓	✈	Create/Find a group	4 days	Thu 11/10/18	Tue 16/10/18		
3	✓	✈	Brainstorm Ideas	6 days	Wed 17/10/18	Wed 24/10/18	2	Personal Computer
4	✓	✈	Refine Ideas	6 days	Thu 25/10/18	Thu 01/11/18	3	Meeting rooms
5	✓	✈	Confirm Final Idea	3 days	Fri 02/11/18	Tue 06/11/18	4	Meeting rooms
6	✓	✈	Create Project Plan	4 days	Wed 07/11/18	Mon 12/11/18	5	Personal Computer
7	✓	✈	Discussion of Stakeholders	4 days	Wed 07/11/18	Mon 12/11/18		Meeting rooms
8	✓	✈	Produce individual PID	5 days	Tue 13/11/18	Sun 18/11/18	6,7	Personal Computers
9		✈	Creation of the Prototype	46 days	Mon 19/11/18	Sat 19/01/19	8,1	
10		✈	Existing Product research	5 days	Mon 19/11/18	Fri 23/11/18		Computer Labs, Personal
11		✈	Start design of product	7 days	Mon 26/11/18	Tue 04/12/18	10	Meeting rooms
12		✈	Start creation of project	10 days	Wed 05/12/18	Tue 18/12/18	11	Computer Labs
13		✈	Pre christmas meeting	1.5 days	Tue 18/12/18	Wed 19/12/18		Meeting rooms
14		✈	Post christmas meeting	1 day	Mon 07/01/19	Mon 07/01/19	13,12	Meeting rooms
15		✈	Prototype update	5 days	Mon 07/01/19	Fri 11/01/19		Computer Labs
16		✈	Test phase of prototype	6 days	Mon 14/01/19	Sat 19/01/19	15	
17		✈	Iron out bugs	3 days	Mon 14/01/19	Wed 16/01/19	15	Computer Labs
18		✈	Show update on project plan	1 day	Mon 14/01/19	Mon 14/01/19	15	Meeting rooms, Personal
19		✈	Pre demonstration meeting	1 day	Tue 15/01/19	Tue 15/01/19	18	Meeting rooms
20		✈	Show demonstration of prototype	1 day	Wed 16/01/19	Wed 16/01/19	19	Classroom
21		✈	Final Project Report Individually	6 days	Thu 17/01/19	Thu 24/01/19	20	Classroom, Personal