Final System Report

DIFFABLE ASSISTOR

SUPPORT DIFFERENTLY ABLED IN EAST GIPPSLAND

Team ALPHA

VERSION 1.1

5/24/2020

Version Control

Serial No.	Author	Date	Changes
1.0	Sushant and Richu	23/05/2020	Initial Draft
1.1	Sushant and Richu	24/05/202	Updated Integrity Test

Table of Contents

1. Introduction

The purpose of the final system report is to provide a high-level integrity testing plan of our web application *Diffable Assistor*. This document includes product features, a high level of data sources, testing for future sponsors. Our future sponsors could have a conceptual idea about our product and also could use it to look for data sources details and testing information in the support document and the maintenance document.

2. Overview of Application

2.1 Project Overview

Disable Assistor website is designed to provide the rich directory of services to support the disabled rural community in East Gippsland affected by bushfires.
Australia's deadly bushfires sparked in September 2019, ever since rural regions such as East Gippsland which was impacted the most, the people are unable to seek the essential community support services.
People with disabilities are disproportionately affected by climatic change and responses to climate change must include people with disabilities. They are those people who have the least access to emergency support in case of a climatic crisis. 6.8% of the population in East Gippsland Shire reported needing help in their day-to-day lives due to disability, and post-crisis people need support in the community along with the relevant information.

The reason that we focus on differently-abled people especially in East Gippsland because of the following reasons as follows:
➢ East Gippsland region has higher rates than the Victorian average disability rate and people in this area have faced an extreme climate crisis during the Australian Bushfires 2019.
➢ People in East Gippsland have reported a lack of needful assistance due to disability.
➢ The disabled community is the most vulnerable to the rapidly occurring wildfires, hurricanes and air pollution since many of them live with already compromised health conditions and limited mobility.

The purpose of our project is to design a disable friendly website for the people in the East Gippsland disabled community to empower them for better Quality of Life:
➢ Provide accessible web design and prevents people in the East Gippsland disabled community from a tedious online experience.
➢ To address and assist services for Disabled people aged between 30 to 59 in East Gippsland, our solution includes a website that provides a rich directory of services that are available and designed specifically for East Gippsland's Disabled people.
➢ Assistance includes services for Living, Health, Advocacy, and Job Seeking Services where a user can directly go to the relevant sites through quick links. Based on the disability needs like voiceover links, magnifying the screen, changing colors, and font accordingly.

Service directory of the core activities with relevant articles regarding the bushfire reliefs.

Website URL	https://disablesupporteastgippsland.com/
Product Video	https://www.youtube.com/watch?v=yenHdNMEh5Y&rel=0
Industry Mentor Page	https://bit.ly/TeamAlpha-LifeOnLand
Studio Mentor Page	https://mahara.infotech.monash.edu.au/mahara/view/view.php?id=44559
Lean Canvas	https://mahara.infotech.monash.edu.au/mahara/artefact/artefact.php?artefact=236776&view=44559&block=197164
User Personas	https://monashie.leankit.com/card/1036688469
User Epics	Epic #1: https://monashie.leankit.com/card/1088977045 Epic #2: https://monashie.leankit.com/card/1066461426

Product Features

Feature A	List Service Directory
Description	This function allows users to list down the community support services in east Gippsland with relevant contact information
Purpose	Users can select the category of community support services from the list drop-down or utilize and add the predefined sub-category to search the services.

Feature B	The Service Finder
Description	This function provides users with a map which locates all the service providers details for each category
Purpose	Visually view the community service provider's location and access the contact information

Feature B	Accessibility Options

Description	Accessibility features will allow the specially challenged person to access the website using advanced accessibility tools. Users can enter the website as per their accessibility needs.
Purpose	To access the website with advanced accessibility options depending on the user preference or disability. Overall, soothe the strain on a person's eyesight.

2.2 Data Sources:

Data Sources (Open datasets)						
Names	Physical Access	Frequency of Source Updated	Frequency of iteration system Updates	Link	Granularity	Copyright
Victorian Government Organizations, services, description, and contact information	XLSX	Annually	Annually	Service Directory - Victoria XLSX	Low(By Services in East Gippsland)	Vic.gov.au - Service Directory
Data About service providers in East Gippsland categorized	PDF	Annually	Annually	East Gippsland Service Directory PDF	High(By service providers)	East Gippsland.Vic.Gov.Au

DIFFABLE ASSISTOR						
Data about the contact details for each service provider in East Gippsland	PDF	Annually	Annually	East Gippsland Service provider Contact Information PDF	Low(By Location)	East Gippsland.Vic.Gov.Au

2.3 Security aspects:

This document details the security testing aspects for our build which includes:

- Test for Malware
- Website Errors Blacklisting Status
- Injected SPAM and Out-of-date
- Test if the website can be recovered by the backup file
- An in-depth scan analysis for vulnerabilities and misconfiguration in our web application

Refer the System Support Document here: Google Drive - System Support Document under [6.2.3] Security Testing

2.4 System/Maintenance Information:

The purpose of the Maintenance document is for a technical person to maintain our Website *"Diffable Assistor".* The document provides system structure design, major components diagram, plugin information, and functional breakdowns. The support document is to provide information to the Future Sponsor or System Administrator on how to operate our web application (Diffable Assistor). This information includes how to run the website successfully, backup and restore the system, preparation for the future site, training requirement for support staff, data loading, future change management, and testing carried out.

Maintenance Document URL	Google Drive - Maintenance Document Mahara - Maintenance Document
System Support Document URL	Google Drive - System Support Document Mahara - System Support Document

3 . Integrity/ Acceptance Test Plan

An assistor assisting a specially challenged person or the special person themselves can select the category of service providers and get a full listing of services under the selected category		
FUNCTION	ACTIVITY	PASS/FAIL
List the community support service directory	Display all the services under each category	
	Add or remove checkbox of sub-categories under each category to list down the service providers	
Display the service provider's contact information	View the contact information of the service provider like contact number, email, and address and a link to go to the website listed for each service	
	View each service provider's website directly from the service listing	
Visualizing the service providers on a map.	Show the service providers for each category on the map	
	A pop-up to Display the contact information of the service provider	

A specially challenged person can access the accessibility guide and choose the pre-defined features from the prompt or make the change manually to access services available from the Accessibility Button.		
FUNCTION	ACTIVITY	PASS/FAIL
Accessibility Options	Show the available accessibility Options	
	Display the description for each option	
	Accessibility Options can be selected	

4. Sign-off Statement

I, _____, have reviewed and approved the functions of entire system described in this report as fully functional, unless stated otherwise.

Hereby, I accept the final system (including all the available functions) designed by **Team Alpha** on condition that any changes are completed. I will sign off those changes in a further document.

Development Team Member Signature: SUSHANT SANJIV GAJANKUSH

Development Team Member Signature: JIN YANG

Development Team Member Signature: AMALA RICHU ALBERT AROCKIARAJ

Date: 24 - May - 2020

Monash Lecturer Signature: _____

Monash Lecturer Signature: _____

Date: _____

5. Appendices
N/A