Project Plan

<Sydney Airbnb Database Analysis>

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Table of Contents

[1.0 Introduction 3](#_Toc46748287)

[1.1 Problem Background 3](#_Toc46748288)

[1.2 Scope 3](#_Toc46748289)

[1.3 Document contents 3](#_Toc46748290)

[2.0 Work Breakdown Structure 4](#_Toc46748291)

[3.0 Activity Definition & Estimation 5](#_Toc46748292)

[4.0 Gantt Chart 6](#_Toc46748293)

# Introduction

## Background

Australia has always been known as a safe and stable country that offers a blend of culture, architecture and natural wonders, drawing people’s attention from all over the world. In particular, the largest city in Australia, Sydney, has seen a huge development in the tourism industry over the past few years. Thanks to the increasing patterns of migration since the late 1990s, Sydney has attracted multiple travellers worldwide for its unique community with culturally and linguistically diverse backgrounds. By 2023, it has been listed in many trusted reputation ranking and global survey as one of the best places to live and earned a reputation for working environment and vacation destination.

On the other hand, there are global and national factors associating to such popularity. Beside being acknowledged as a top city for users globally, now Sydney has also been ranked as one of the least affordable places as well thanks to the price of groceries, rent and everyday services, specifically with the housing market and hotel accomodations. Due to the rising housing unaffordability in this global city of Australia, Airbnb, a home-sharing platform that was founded in United States in 2008, started to be introduced and entered into Sydney’s tourism industry. Only after a short amount of time, Sydney Airbnb has evolved into a global marketplace for short-term lodging and travel experiences by taking advantage of tourists’ desire for affordable price and and its diversity of lodging options compared to traditional hotel rooms.

## Scope

As a fast-paced and highly innovative sector, the Airbnb business industry must respond to the demands of user expectations and improve their renters’ staying experience. To remain competitive in the tourism sector, this project is associated with InsideAirbnb and their enormous data of all properties for rent to implement an interactive software for the clients. The software would enables users, especially for local and international tourists visiting Sydney, to do some data analysis of the available Airbnb listings across Sydney. Hence, travellers may have the ability to plan their vacation easier and more efficient by sorting out a suitable place that satisfy their demands in five different ways:

* For a user-selected period, report the information of all listings in a specified suburb
* For a user-selected period, produce a chart to show the distribution of prices of properties
* For a user-selected period, retrieve all records that contain a keyword (user entered), e.g. pool, pet.
* Analysing how many customers commented on factors related to cleanliness (multiple key words may be associated with cleanliness – justify your selection).
* Return the overall review score and all reviews of a user-selected propertyID

## Document contents

To carry out the project efficiently within a short amount of development times and monitor the progress thoroughly, two sectors including a Work Breakdown Structure and Details of activities involved will be provided as below:

* Work Breakdown Structure: different phases and activities involved and completing the project, from initiating and preparatory work to implementation, testing and reporting activites.
* Activitities Definition and Estimate: explanation in details of required activites and their relevant time estimates and scheduling to process and complete.

# Work Breakdown Structure

A screenshot of a computer screen

Description automatically generated

# Activity Definition & Estimation

*From your WBS, define the activities required for your project. You will revise this document and add more detail for part B as you discover more about the project.*

*Each activity should be clearly identified by a number and should match up to your Gantt chart. You should provide some estimations for the time you think each activity will take. This should make it easy to prepare your Gantt chart.*

Give 2-3 sentences to explain the activity in detail

# Gantt Chart

*This section should contain your Gantt chart. The items in the Gantt chart should match the activity definition from section 3. You should also submit your Gantt chart file separately.*

A screenshot of a project plan

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