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Ducks Row

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**TOOLS**

Front-End Tools: -

HTML / CSS / JavaScript

Back-End Tools: -

PHP / MYSQL / AJAX

Libraries: -

Google Fonts / Font Awesome

Programs: -

Visual Studio Code / XAMPP / Figma

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**Project Objective**

Our capstone project's main goal is to create a user-friendly website that offers customized recommendations for entertainment times depending on a user's budget. Teenagers should have an enjoyable time with their friends and their decision-making should be made easier for them. Users of the website will be able to limit their search results based on their budget. The website will give a complete database of entertainment time areas, including restaurants, cafes, parks, and other entertainment options. To help users in selecting their entertainment times, the website will also include interactive tools like user reviews and ratings. To know the user’s opinion on specific place.

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**INTRODUCTION**

Duck's Row is a website that helps users find the perfect place to go out based on their budget. The website has a large database of restaurants, cafes, parks, and other entertainment options, and users can filter their search by location, price, and other criteria. Duck's Row also has a user-friendly interface that makes it easy to navigate and find the best deals.

**Conclusions**

In this chapter, we summarize the general conclusions of capstone project.

In this project, we have addressed the problem of planning a entertainment time with friends or alone, taking into account the user's budget and preferences. We have proposed a method for solving this problem as a combinatorial optimization problem with constraints. Our method takes into account the following factors:

* The amount of money the user has available
* The places the user would like to visit
* The distance between the places the user would like to visit
* The number of people the user is with

We have implemented our method as a website, which allows users to enter their preferences and budget and then receive a list of recommendations for entertainment times that meet their criteria. We have evaluated our website with a user study and found that it is effective in helping users plan entertainment times that meet their needs.

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**Supervised by DR. Rasha Stohy, Eng. Rana Mohamed**