Delivery Planning System

For e-commerce businesses in Kathmandu

-Sprint 4

Introduction

Delivery Planning System is a web application facilitating e-commerce businesses in Kathmandu Valley to plan and manage their delivery service efficiently. On submitting the delivery orders with location, they will get a routing plan to carry out their delivery service. In addition it will help the delivery man to explore their route in a map and customers to track their order.

Task Objectives

1. Creating Customer Form
2. Implementing K-means Clustering Algorithm
3. Implementing Routing Algorithm
4. Plotting the generated route in Map

Backlog

|  |  |  |  |
| --- | --- | --- | --- |
| S.N | Task Description | Estimate | Priority |
| 1 | Design a simple customer form | 1 | 1 |
| 2 | Searching feature for places in Map | 3 | 2 |
| 3 | Extract location from marker point | 2 | 3 |
| 4 | Post the form contents to database | 3 | 4 |
| 5 | Extract the location from database and implement clustering algorithm | 3 | 5 |
| 6 | Implement routing algorithm on the clustered values | 5 | 6 |
| 7 | Export the routes on json file | 2 | 7 |
| 8 | Plot the route points on Map | 2 | 8 |

Task Performance table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S.N | Task Description | Priority | Assigned | Status |
| 1 | Design a simple customer form | 1 | Sanjay Raut | Completed |
| 2 | Searching feature for places in Map | 2 | Prakash Aryal | Completed |
| 3 | Extract location from marker point | 3 | Prakash Aryal | Completed |
| 4 | Post the form contents to database | 4 | Sanjay Raut | Completed |
| 5 | Extract the location from database and implement clustering algorithm | 5 | Nabeen Khadka | Carried Over |
| 6 | Implement routing algorithm on the clustered values | 6 | Bipin Pandey | Carried Over |
| 7 | Export the routes on json file | 7 | Bipin Pandey | Hold On |
| 8 | Plot the route points on Map | 8 | Prakash Aryal | Hold On |

Sprint Review

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| --- | --- |
| Total number of tasks | 8 |
| Total number of tasks completed | 4 |
| Total number of tasks carried over | 2 |
| Total number of tasks hold on | 2 |

Sprint Retrospective

1. Tasks that went well
   1. Simple customer form was created
   2. Searching feature for places in Google map was added
   3. Location extraction feature on mouse click was added
   4. The form contents were sent to database.
2. Tasks that were carried over
   1. Clustering algorithm was implemented on values from a sample file but extraction of values from database is still incomplete.
   2. Implementing Routing algorithm on clustered values is also incomplete.
3. Tasks that were hold on
   1. Exporting routes to a Json file was not done because the routes were not generated.
   2. Plotting points on the map was also not done as the json file was not generated
   3. We also have not designed a user friendly template for our website yet.