**Project Charter**

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| Project Title: *Cleckhuddersfax E-Convenient Store*  Project Sponsor: *The British College, Thapathali, Kathmandu*  Project Manager: *Rohit Pandey Sir*  Team Leader: *Swastika Adhikari*  Date prepared: *2020-02-21*  Project Customer: *Inhabitants of Cleckhuddersfax* |

Version Control

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| Version | Date | Summary of changes |
| 1 | *2020-02-21* | *Initial project*  *All the vital things have been done for future scope.* |
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Project Justification

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| *A group of traders or businesspersons of Cleckhuddersfax are intending to organize and build up an internet business site i.e. ecommerce website. The business website is being created to help and inspire local traders to compete against the larger supermarket and convenience stores. Their aim is to provide an advantage to the trader with a new emerging technology which appears to be useful for both trader and customer. They are planning to provide a great chance to customers to order and purchase things in a relatively brief period of time from the ease of their comfort zone. This ecommerce platform incorporates all five trader butchers, greengrocer, fishmonger, bakery and delicatessen within the Cleckhuddersfax area in UK. This ecommerce platform provides an ideal space for all types of traders to show the best of their self on the internet to grab the attention of their target audience and beat the heated competition. This platform helps the local trader to grow as well as benefit the client in the certain area. The website helps to promote the local tradition of area as well as help the local traders to compete against the bigger business-like supermarket and stores without losing their valuable times for their family and friends. This website has three interfaces. One for customer, one for traders and one for management (admin). An admin login can access any of trader accounts. Every five trades have different login credentials which help them to access their database. Trader can also view every day report and update the details of their trader account. Trader will be provided with weekly finance report of all the orders that are delivered only. This website will have cart functionality where customer will get an option to add favourite products to cart. The payment method is a PayPal which is convenience and more secure way to pay online. The site will assist the customer to shop easily without worrying about running out of products. They don’t need to physically move around and waste valuable time to buy one specific product. This ecommerce website provides convenience to buy goods or services without causing any physical restrictions to the costumers and even helps to save money as well as precious time.* |

Project Scope

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| 1. Simple user Interface to understand by all type of user, traders and accessible through web interface and most popular browsers.  2. Introduce them to high quality products and fresh goods.  3. All the products of the traders will be unique.  4. To let the traders compete on opening hours without losing out on family life.  5. Multi-user login System.  6. 3 days a week, to collect every goods.  7. Weekly finance report is provided to the trader which helps to identify payments to be done to them of the delivered items.  8. Traders are provided access to a range of daily and periodic reports. |
| *Customer Interface*   1. *Sort the products by shop or by product type, Capture the heritage of the Cleckhuddersfax area, Viewable on all major browsers and will be compatible in both mobile and desktop view, Access to a single cart/basket that can hold the products from all the traders, Pay for all the products at the same time in spite of being from various traders* 2. Customers can pick up their orders in three slots in three different days i.e. 10-13, 13-16, 16-19 in the days Wednesday, Thursday and Friday 3. Customers should place the orders 24 hours before their desired pickup time and day 4. Customers can use PayPal or Stripe Payment Gateway for the payment   Trader Interface   1. Traders will be able to manage their product and information 2. Traders will be able to add, delete and update products 3. When a Trader adds a product, the product will have a Unique ID, Short Name, Description, Item Price, Min Order, Max Order, Allergy Information which must be added by the Trader 4. Trader can Login into the Database which shows the reports of the available stock and report of orders 5. Every Trader will have their own unique login Credentials which shows their details only   Management Interface   1. Management will be able to view a dashboard which will have a range of daily and periodic reports 2. Management can log in and run a report on the orders placed, this report will contain the products and quantities which have been ordered and will also show which delivery slots are used 3. The report will contain the Customer ID and Order ID along with delivery slot arrangements 4. Traders will get a weekly finance report which shows the number of products they have sold along with the payment for the last 7 days which will only include the orders that have been delivered 5. When two or more products will overlap, management can delete one of the products 6. Management can access all of the traders’ accounts if they wish to do so 7. Traders will also get a monthly report of their product sales which can be sorted alphabetically; total numbers of orders per products or total income per product |
| Major Deliverables  1. E-Commerce website with customer, trader and management interface.  2. Website supporting a maximum of 10 shops for initial pilot project.  3. Traders’ interface that allows add/delete/update products on their corresponding shops.  4. Responsive design viewable on mobile as well as desktop devices and viewable on the most popular browsers.  5. User-friendly navigation of products by shop or product type for customers.  6. An admin login for management interface that can access any of the trader accounts.  7. All products minimally having a unique ID associated with a trader, having a short name, a description, an item price, quantity per item, stock availability, minimum order, maximum order and allergy information.  Milestones and Activities  SECTIONS  *1. Inception*  *(i) Planning*  *We will be creating work breakdown structure to estimate the work effort required for each task. We will also establish the most logical activities sequence during the project scheduling phase and easily identify and define the associated risks which might impact the overall progress of the project.*  *(ii) Project brief*  *Our creative briefs will serve as an overall project definition document including project scope, objective and action of the website being built.*  *2. Elaboration*  *(i) Requirements elicitation and specification*  *The first and foremost important part played in analysis phase, our team will specifically brainstorm along with client to reduce this error-prone and sophisticated phase, we use methods facilitated by proper tools and techniques of interviewing, reporting and communicating.*  *(ii) Use case diagrams and wireframes*  *Visual diagrams of the website will possess the final navigation, a rough justification of how the website should look like. We will provide with relevant Use case diagram, site design and wireframe diagramming of the project, which shall be a suitable blueprint for the final prototype.*  *3. Construction*  *(i) Mock ups and design*  *Our team is highly motivated and inspired to create an impactful yet elegant design. Prior to working on graphics development for the website theme, our team will be setting a* ***SMART goal approach*** *which will lead the designing phase to be work-specific, measurable, attainable, relevant and time-based.*  *(ii) Final prototype*  *Testing and debugging will be conducted prior to making the site public, coding will be done to the approved wireframe and API Integrations for payment processing such as PayPal shall be implemented.*  *(a) Front-End:*  *Front-end designs are subjected to encompass areas of Cleckheaton, Huddersfield and Halifax collectively known as ‘Cleckhuddersfax’ and include their local landmarks as well as heritage inclusive in designs and will feature responsive designs.*  *(b) Back-End:*  *The dynamic website’s back-end will run 3 different easy-to-use interfaces segregated each to Customers, Traders and Manager that will allow a smooth functionality with each dashboard providing relevant service and access.*  IN SCOPE  1. Assumptions [refer duration and estimated budget]  2. Planning [refer section 1. *(i)]*  3. Analysis [refer section 2. *(i)]*  4. Design Goals [refer section 3. *(i) & section 2. (ii)]*  5. Front-End and Back-End Implementation [refer section 3. *(ii) (a) & (b)]*  6. Integration and Testing [refer section 3. *(ii)]*  OUT OF SCOPE  1. Updates  2. Website Auxiliaries  3. Load Balancing  4. Search Engine Optimization  5. Security Patches and Fixes  6. Maintenance |

Duration

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| *7th week: Work in Progress*  *12th week: Final Project* |

Estimated Budget

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| *Hours per day: 4 hours*  *Hours per week: 28 hours*  *Hours till 12th week: 304 hours* |

Roles and Responsibilities

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| Name | Role |
| *Prasanna Shrestha* | *Primary: Resource Investigator*  *Secondary: Team Worker*  *Least-likely:*  *Specialist (JavaScript)* |
| *Sakriya Bajracharya* | *Primary: Complete Finisher*  *Secondary: Coordinator*  *Least-likely:*  *Specialist (PHP and Git-Hub)* |
| *Sujan Pariyar* | *Primary: Monitor Evaluator*  *Secondary: Shaper*  *Least-likely:*  *Specialist (Database)* |
| *Swastika Adhikari* | *Primary: Implementer*  *Secondary: Resource Investigator*  *Least-likely:*  *Specialist (PHP)* |
| *Utsav Sapkota* | *Primary: Plant*  *Secondary: Team Worker*  *Least-likely:*  *Specialist (API and Framework)* |

Communication and Collaboration Tools

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