MIS 4596
Project Charter

Project Title	*Blend Effect*	*Product/Process Impacted*	
Start Date	*January 29, 2018*	*Organization/Department*	
Target Completion Date	*April 24, 2018*	*Champion*	*Cole Derhammer*

		Description	
1. Project Description		What problem is the team addressing? What problems do customers have? Currently, patients with gastrostomy feeding tubes receive nutrition through standardized commercial powders. Current dietary best practice suggests that these patients would benefit from receiving nutrition that utilizes real food that is custom blended for their particular condition. Patients should have better health outcomes over time and require less medication as well. Studies have shown that blenderized foods can have stronger health implications compared to the medicine and powdered food that is used by these patients currently. Our app will provide patients with an easy-to-use interface and display instructions and schedules for them to follow. Health care providers will have the capability to manage patient information such as their health background, food allergies, and preferences. In addition, health care providers can create customizable recipes to patients to meet their dietary needs. The parent or guardian of the patient will be given their own individual login credentials that will allow them to view the recipe created by the dietitian and log the recipe used with the calendar feature.	
2. Project Scope		What areas are inside and/or outside the work of the team? What are the boundaries (start and end points)? What specific parts of the overall problem will you focus on? Inside the scope is the development of a functional prototype that pulls patient information from the hospital database. The prototype will enable dietitians to assign recipes tailored to the patient's nutritional needs. By referring to the patient's medical history/information, the dietitians can mitigate subsequent mishandlings. The patient's parent or guardian will be able to login to their predetermined account and view their assigned recipes. A calendar function will also be available for the parents or guardians to view past/future recipes assigned. Out of the scope is a messaging capability that allows communication from dietitian to patient vice versa. The main purpose of this app is to display recipes for the user that enables them to get the right amounts of nutrition, maintaining a healthy diet. This is not a communication medium for multiple parties.	

1. **Project Goal and Deliverables** What must the team deliver to be successful? Does the team goal link to the key performance parameters established by the sector leadership teams? What is the baseline performance? How will the goal be measured?	**Metrics** (propose specific metrics for your project, e.g., cost reduction, time reduction, customer satisfaction, etc.)	**Baseline**	**Current**	**Goal**	
We aim to deliver a prototype of the actual application for presentation purposes. To do this, we will use Justinmind prototyping tool to create a visual representation of the application. A presentation that will showcase the need and effectiveness of this application. This will be a live presentation aided by slides that will include a demonstration of the prototype. We will be measured based on our prototype quality, perceived customer satisfaction, and business model.	**Customer Satisfaction**				

	Application Quality				
	Productivity Increase				
	Time Reduction				

4. Business Results Expected	We expect to create a functioning prototype to represent what the application will ultimately look like once it is fully built.	
5. Team members	Who is this team accountable to? Who is your champion? Who is on this team? What are the specific skills/roles of each team member? Who can the team turn to for expert guidance? We are accountable to our professor, Anthony Messina. Our champion is Cole Derhammer. Our team consists of Anthony Wong, Christopher Kutzler, and Amy Njuguna. We can turn to our professor and mentor, Andrea Anania, for guidance.	
6. Support Required and risks	What additional resources does the team need? What obstacles does the team see, and how can they be resolved? We will need Justinmind software to create the prototype. We will also need test users. The only obstacle we see is time being an issue. We all are busy with outside jobs and timing could be an issue. Also, two members of our team commute to which could be a problem as well. Another obstacle that we see and are overcoming is communication and scheduling time with our mentor. She has limited availability and not everyone can meet at the same time.	
7. Customer Benefits	How will this project help the customer of the organization? Could improvements have a negative impact on the customer? Our idea can help the customer by providing them with an application that can be utilized to better collaborate. It can have a negative impact because over time the hospital will not be issuing as many prescriptions, which will reduce its profits.	
8. Technology Architecture	What are the specific tools/technologies you will be using? What is the experience of team members with these tools? We will be using Justinmind. Anthony has had extensive experience using this software for prototyping capabilities.	

9. Overall schedule/Work Breakdown Structure (Key milestones & dates)	Responsible individual	Output (notes, diagrams, interviews, screen prints)	Date started if in progress Or Expected completion date	Date completed or date completion is expected
Planning	Chris Kutzler		1/29/18	

Analysis	Cole Derhammer		2/6/2018	
Design	Anthony Wong		2/20/2018	
Implementation: Construction	Cole Derhammer		3/13/2018	
Implementation: Testing	Amy Njuguna		4/17/2018	
Installation	Cole, Amy, Anthony, Chris		5/1/2018	