ARCHITECT

FOR MEN

NINOCUTZ

Requirements Document

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1. Introduction

This is a CSE 611 Masters Project Development course for Computer Science majors at the University at Buffalo. This chapter discusses the groundwork information related to the project.

1.1 Overview

The objective of this project is to design and implement the necessary services to add a new mobile salon website which works in parallel to the already existing customer's web application.

This new feature will help the customers to find and book an appointment with the new 'mobile' Ninocutz salon.

1.2 Scope

This section enlists the scope of the project,

- A redo of the customer's already existing Shopify web application which includes adding a new homepage that redirects to the already existing pages.
- Creating a new website that encompasses the new mobile salon appointment scheduling feature with functionalities such as GPS location pinpointing.
- Redirection links to Ninocutz's social media pages from the new ninocutz webapp.
- A webpage for the driver of the RV to login and be able to post the current, future locations of the RV along with the time duration and a customized message.

1.3 Business Use Case

This chapter discusses the Business Use Cases of this project.

- With this new mobile salon webpage on the client's AFM website, customers can discover the mobile Ninocutz around them and schedule appointments based on their needs. This is expected to generate an influx of additional revenue.

- Notifications sent to users based on their zip codes helps in promoting the RV business.

2. General Description
This chapter discusses the brief general description of the project for the reader to understand this project better.

2.1 Groundwork
This subchapter discusses the existing system that our client (Ninocutz) owns.
- Our client 'Ninocutz' already owns a functioning website - www.architectformen.com. This website is developed and deployed using Shopify and hosted on Bluehost.
- Currently, our client uses the aforementioned website for two services,
    - To sell AFM Products i.e Beard Oil and Structure forming cream on two different web pages.
    - To facilitate appointment booking to the AFM Salon.
- Currently, our client uses the services of Square application for appointment scheduling.

2.2 Product Functions
This subchapter focuses on the functional characteristics of the product post implementation.
Following are the functionalities that we support as per client's requirements,
- A new mobile salon web page will be added to the AFM through which customers can locate the mobile salon RV and schedule appointments.
- User's will be able to view both past mobile salon events and future mobile salon events.
- Admins can push their locations of mobile salon RVs for customers to find them.
- User's will get push notifications about the current location of the mobile salon RV via emails and whatsapp if the RV is in the vicinity of the users (using zip code)

- This project adds a new webpage for AFM Mobile Salon, which can be accessed from the existing website (www.architectformen.com). Accessible through the clients business logo interactively.

2.2 User Characteristics

This section describes the characteristics of the end user using this service.

- This application is not directed for any specific community of users and is solely intended for a general audience.
- User's do not need any specific skill set to use this application. General knowledge of using a website will suffice.

2.3 General Constraints

This section covers the general constraints in terms of designing and developing this project.

- Our client Ninocutz already owns a functioning website that is designed and developed using Shopify, hence a subset of the implementation/modification will depend on services of Shopify and Square (Used for scheduling).
- This project focuses on designing and implementing/modifying the AFM Web application as per client's requirements.
- User's need to have a working internet connection to access this web application.
- We are going to develop the mobile salon website from scratch for which we will be using the following tech stack,
  - Frontend - Angular
  - Backend - Python
  - Database - MySql

2.4 Assumptions and Dependencies

This section lists the assumptions and dependencies of our design of the project.

- Shopify will have the required data of customers with their zip codes available to seed the customer data.
- Square integration with the existing account is possible in the new website.

- Square allows customization of the scheduling.
- Square APIs available to update the schedule dynamically.

3. Specific Requirements

This chapter enlists the key requirements and deliverables for this project.

3.1 User's Requirements

This section covers the requirements from both end user and admin's point of view.

3.1.1 End User Requirements

This section records the end user's requirements.

- End User should be able to navigate to the mobile salon website from the homepage.
- End User should be able to see the current location of the mobile salon RV on google map.
- End User should be able to click on the map to open google maps for directions to the RV location.
- End User should be able to see the past events of the mobile salon RV posted by the admin.
- End User should be able to see the future events of the mobile salon RV posted by the admin.
- End User should be able to book an appointment with the mobile salon RV current event using Square.
- End User should be able to book an appointment with the mobile salon RV future event using Square.
- End User should be able to navigate back and forth to the homepage, AFM Products page and AFM Salon page.
- End User should be able to see the images of the past events uploaded by the admin.
- End User should be able to request for the RV, by filling a form with basic details.

● End User should receive feedback form post appointment completion.

3.1.2 Admin Requirements
This section records the admin/RV user's requirements
- Admin should be able to navigate to the Mobile salon webpage.
- Admin should be able to login to the webpage.
- Admin should be able to add/modify/delete past events.
- Admin should be able to add/modify/delete future events.
- Admin should be able to post current event with timeline, location and customized message.
- Admin should be able to add/modify/delete images for display to the user.
- Admin should be able to trigger notifications about the location of the RV to all the user's community in the vicinity of the RV's location via Email, Whatsapp.
- Admin should be able to push posts to social media like facebook, whatsapp and instagram about the current and future events.
- Admin should be able to edit/add/modify the template for the notification of the events.
- Admin should be able to see bulk booking requests of the users which will be used by the offline team to follow up about the appointment/event.
- When Admin opens an event for booking on Square, it should remove the barber from the lounge Scheduler. (This automation depends on: If Square allows us to dynamically update the schedules. If it's not possible, this would be a manual update)

3.2 System Requirements
This section covers the system specific requirements
- The new AFM Mobile Salon website is browser agnostic
- The application should be able to trigger events correctly when the admin requires.
- Google Map permission is available.
- System is given required permission to access social media accounts.

3.3 Interface Requirements
This section covers the interface specific requirements
- A new homepage with the client's logo is to be implemented. This logo in the homepage is interactive. The 'Three Vertical Bars' should represent three different services our client provides. i.e
  - The first bar in the logo should direct the end user to the AFM Products page.
  - The second bar in the logo should direct the end user to the AFM Salon page.
  - The third bar in the logo should direct the end user to the AFM Mobile Salon webpage.
- Currently, our client's website has two different pages for two different products that our client sells. i.e Beard Oil Page and Structure Forming Cream Page. These two pages have to be combined and displayed as a single same page on Shopify.
- Changing the images in the current shopify website as per client's requirements.
- Build the Mobile Salon Webpage based on the requirements specified.

4. Appendices
This chapter records the misc information that is related to project,
- Shopify is an e-commerce platform for online stores and retail point-of-sale systems.
- Square is an event scheduling platform.
- Bluehost is a public web hosting service
- AWS for deploying the application.
- Google Cloud to access the google map APIs.

5. Glossary

This chapter records the commonly used terms in this document.
AFM: Architect for Men
RV: Client's Recreational Vehicles fleet

6. References

This chapter covers the reference materials intended for the reader to gain more information on some of the services noted in this requirement document.

- https://www.shopify.com/
- https://www.bluehost.com/
- https://squareup.com/us/en
- https://www.python.org/
- https://angularjs.org/
- https://www.mysql.com/
- https://aws.amazon.com/pm/ec2/
- https://cloud.google.com/