

An Undergraduate Internship/Project on I-SMS

By

Saymum Ahamed(Fahad)

1521579

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Supervisor:

Md. Asif Bin Khaled

Supervisor's Designation

Department of Computer Science & Engineering Independent University, Bangladesh

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Department of Computer Science & Engineering

Independent University, Bangladesh

Attestation

I understand the nature of plagiarism, and I am aware of the Universities policy on this. I can ensure that this is an original work done by my during my internship. However, following internationally accepted academic instruction of using others Written work in my University project is Properly used in any part of this work.

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Name		

Acknowledgement

At First I would like to thank Allah for giving me the ability to work hard and keeping me healthy in this corona pandemic. It is my privilege that I got the opportunity to do my internship at Debuggers Studio. I want to thank the entire member's work with me during my internship.

I express my deep thankfulness to my supervisor Md. Asif Bin Khaled, Lecturer, Department of Computer Science and Engineering, Independent University, Bangladesh; for his priceless instructions, nonstop guidance, positive Criticisms and caring advice during pursuing this internship and preparation Of this report.

I'm very grateful to MD. Arianul Islam (Project Manager, Debuggers Studio) I also thank all member's of Debuggers Studio for cooperating and helping me to complete this internship report.

Letter of Transmittal

1st November, 2020 Md. Asif Bin Khaled Lecturer Department of Computer Science And Engineering Independent University, Bangladesh (IUB) Bashundhara, Dhaka.

Subject: Submission for report on internship.

Dear Sir,

With great pleasure I am submitting the internship report performed at Debuggers Studio (DS) for three months. I have found the study to be quite interesting, beneficial and knowledgeable. It is my immense pleasure in presenting you this report based on I-sms Landing Page and my experience during my internship. In this report, I have discussed my internship period at DS, an overview of the company and its activities, my experiences working on there, what I have learned and how it has helped me to Design These landing page. I also want to thank you for your support and patience with me and I would be glad if

you accept this report and provide your precious judgment.

Sincerely Yours, Saymum Ahamed Fahad

ID: 1521579

Evaluation Committee

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Abstract

This Theory report depicts an online number and content package system, and the system name is I-SMS. An online marketing system for all Robi bdapps and Mysms users for their applications promotion. There are some features in the system one is user can download real airtel or robi number's , user can generate airtel or robi number , user can download content from this system and finally user can also send sms like mysms do in their website using I-sms . Admin will control the limit of download number's and upload content in the system . Admin can remove user from the system. **Keywords**— alpha, beta, gamma

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Introduction

1.1 Overview/Background of the Work

In my project there will be a login page for user's who want to buy package from my website and a registration page for those who want to create a new account for buying package from the system in my system it will create unique robi or airtel number and can export those number's in text format. If user want to generate random Airtel or robi number ,and also can download content from the system and There will be a admin page where admin can log in and can create package's and also can set download limit under each package . Admin can track the information of user download status and can view operators type. Admin can upload number's in the package system, and also can upload context in the system.

1.2 Objectives

In Robi/Airtel is a platform Pro app developing plateform called BD PRO APP where user can create app and can also promote them using a another sms promotion app called Mysms. Using Mysms user can promote their app they build using bdapps by buing sms from mysms .In my project(I-SMS) it can generate unique robi or airtel number and also can provide real set it in a package system where user can download them and the number will be non repeated

1.3 Scopes

1.3.1 User

- 1. Login/Regisered for user
- 2. Robi/Airtel unique number generator
- 3. export number into ext file
- 4. Robi or airtel real number

5. content

1.3.2 Admin

- 1. Create package set download limit
- 2. Track download status
- 3. upload number
- 4. upload content
- 5. can delete user's from system

Literature Review

Pro App Builder is Robi bdapps Tel-co API integrates CaaS monetize the site in Bangladesh.In bdapps user can create and promote their application's .For Promoting their application Robi made a sms promotion site called Mysms ,in Mysms user can buy massage from the system insert Robi/Airtel number in Excel or Text format,But bdapps promotion user's dosen't have that much real number or cannot generate that much number for their promotion.

For this User problem solver I-sms concept was created . In I-SMs after creating account they can login in the system dashboard . User can download real Number from the system ,user have to select operator first then put limit of number they want to download and click download Button the number's will generate in a text format because Robi's Mysms sms platform support text formate.

User can also generate and download random Robi or airtel number from the system ,user have to put their generated number amount then set the operator first and last three digit number user can view a demo number and then download all generated number in a text format .

user can also download content from the system by selecting the category of content then enter starting and ending date for the content and click on generate the generated content's will show from there user can use those content's.

In the Admin side Admin can put download limit for the number download system . Admin can delete user from the system ,Admin can track user and also number download record. Admin can upload content in the system .If admin want to update his/her Profile he/she can update their profile from the system

2.1 Relationship with Undergraduate Studies

web application and development: For creating a font-end design of a website I need to have HTML and CSS knowledge, I got this knowledge from web application and development

course.

software engineering: For gathering Website requirement, functional and nonfunctional requirement as well as user information those things i have learned from software engineering course.

Database management:Finally for storing all my data into the system i have to create a database for that ,i have learned how to create database from database management course

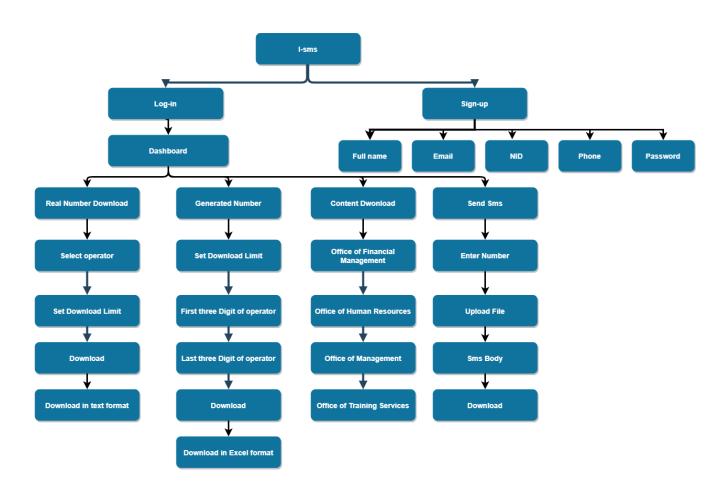
2.2 Related works

In Bangladesh I found Robi Mysms where user can send sms as like my system .In Random.org they generate random airtel and robi number's as like my system, numbergenerator.org user can login and gererate number's .

ZapMate.ws is a indian random number generator site, platform as my related work

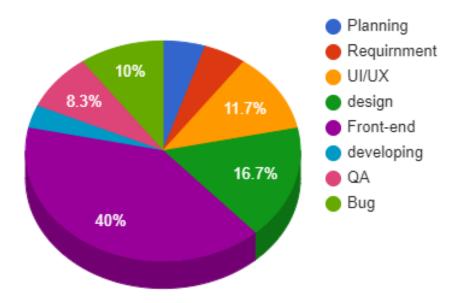
Project Management & Financing

3.1 Work Breakdown Structure

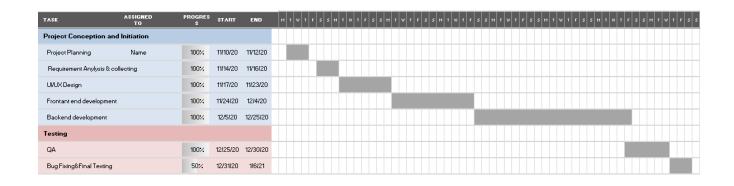


3.2 Process/Activity wise Time Distribution





3.3 Gantt Chart



3.4 Process/Activity wise Resource Allocation

Generally a project is divided into many divisions and allocated to the designers, developers and testers. In my Project I did the front end part on my own as well as the dashboard page for user as well admin page

The didn't did the hole back end part of my project my team helped me with my back end part .My project manager gave me the perfect guideline for completing my project

3.5 Estimated Costing

Estimated costing									
Cost	Process								
7,200	Transport								
6,000	Internet bill								
10,000	Domain and Hosting								
30,000	Project Manager								
20,000	Back-End Developer								
8,000	Electrical bill								
81,200	Total Cost								

Methodology

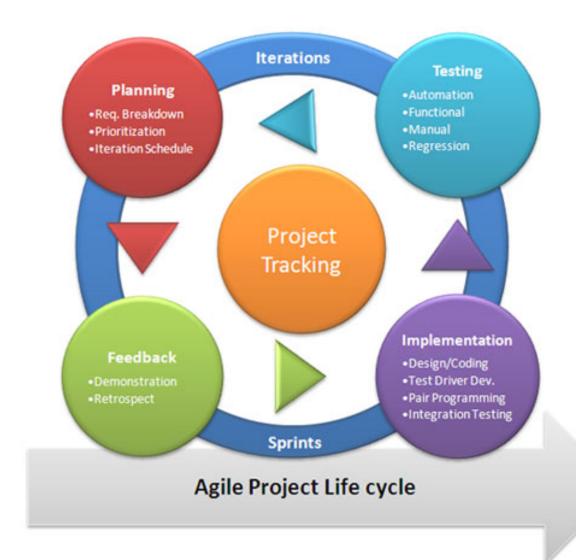
Software development methodology is a process or arrangement of actions utilized in programming progress. However that it is things like a design phase and development phase. It is planned to show that how the life cycle of software.

There are various types of software development methodologies. Such as-

- Agile
- Waterfall
- Prototyping
- $\bullet\,$ Iterative and incremental development
- Spiral development
- Rapid application development
- Dynamic system development model
- Extreme programming

For this project we are using the agile methodology.

Agile is a method by which a team can manage a project by breaking it up into several stages and linking constant teamwork with Client and continuous improve at every stage. These approaches start with customers portraying how the finished result will be utilized and find the issues and solve those issues.



Reasons for choosing agile methodology:

1. Faster time to market:

A large amount of people choose to go with agile cycles that normally convey a wrong item to showcase and our clients simply aren't keen on purchasing. Our business sectors and our opposition are simply moving excessively quick. So, we must show signs of improvement at getting working items out the door faster.

2. Easily Can adapt Change:

Using Agile Method If anything goes wrong in the project using agile method we can go back and fix that problem.

3. Best Product Quality:

Agile method reduces time, cost, and quality and gives us the tools to change the Product and specialized extent of the arrangement. You maybe won't get all that you required after.

4. Deliver product on schedule:

Waterfall projects revolve within a lengthy project cycles that make it difficult for a team

to guess the release date exactly. Agile iterations happen in time-boxed sprint .That result in a working product at each release. Thus, the product owner knows that they will get new features at the end of every sprint.

Body of the Project

5.1 Work Description

My Project Name is **I-SMS**. This project is basically used for promoting a Robi promotion platform named mySms.In i-sms it can create number package of real number and also can generate vulk number's in the system. User can login here after signing up using their user name and password then choose package from the system . There is a payment mathod where user can pay for the pack the selected ,and finally they can download thouse real number into text formate. In the vulk number system user will put Robi or Airtel first three digit and last three digit and put the limit of random number that the user need's and then the user can see the generated number and can download thouse number's in text formate also . And finally there is a content download system where the user will select which tips the user need's for promoting mysms and then all the tips will view in a textarea from there user can download thouse content's. For admin , admin can see user id and user download information and also can set download limit for the package ,upload real number's for the package system and also can upload content's in the system.

5.2 System Analysis

5.2.1 Six Element Analysis

process	Human	Non Computing Hardware	Computing Hardware	software	Database	Networ
Website	users	N/A	PC ,smartphone	Browser	Mysql	WAN
Signup	all user	N/A	PC ,smartphone	Browser	Mysql	WAN
Login	Ath user	N/A	PC ,smartphone	Browser	Mysql	WAN
AdminP	Admin	N/A	PC ,smartphone	Browser	Mysql	WAN
Realnumber	Ath user	N/A	PC ,smartphone	Browser	Mysql	WAN
Generate D	Ath user	N/A	PC ,smartphone	Browser	Mysql	WAN

5.2.2 Fisibility Analysis



5.2.3 Problem Solution Analysis

Problem:

In my project the amount of total number is huge and user can not download this munch number's once

Solution:

For this problem the solution is in the system we made a package of number's and set a download limit 50,000 for each .

5.2.4 Effect and Constraints Analysis

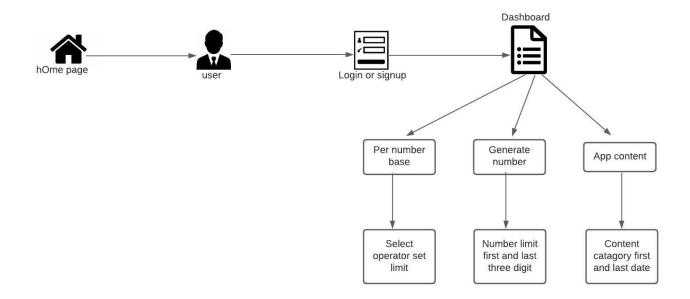
I-SMS will play a great role in the Promotion. It will save costs, minimize physical hardships and moreover it will make lives easier than before for Mysms Promotion User's. As discussed earlier that our system has some constraints. User's can not be download unlimited number's and conent rom the system till now. As it is a big project that is why we are planning to add those features.

5.3 System Design

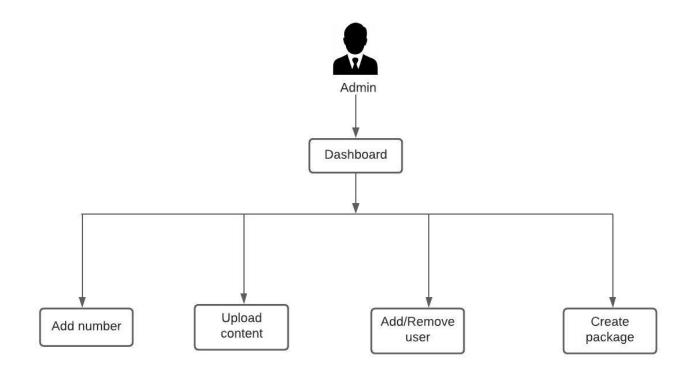
5.3.1 Rich Picture

[1].

5.3.2 User



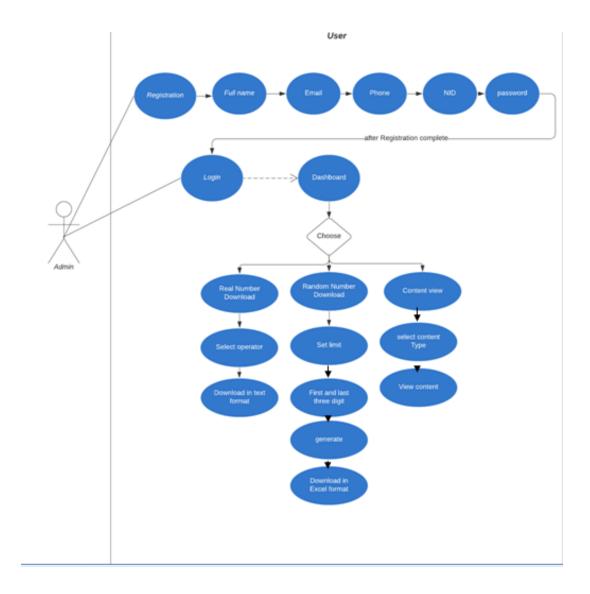
5.3.3 Admin

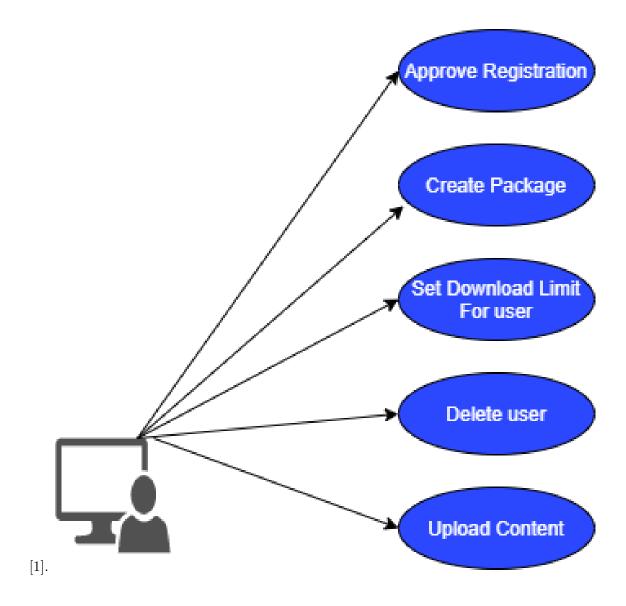


5.3.4 UML Diagrams

[1]. Use case Diagram of I-SMS: [1].

[1].





5.3.5 Functional and Non-Functional Requirements

Functional requirements for my system:

- Registration: Users can registrar in this system with user-id, password.
- Login: Admin and user's can login with their user ID and password. For User's the process is same.
- Package: There is a package system .
- Real Number system: User's can view real number's.
- Random Number Generate: User can generate and view random number's
- Download : User can download real number's.
- Download : User can download content's.
- Admin can Upload number's

- Admin can Update content.
- Contact Us page: There is a contact us form. Using contact us form form user can communicate with admin.

Non-Functional requirements for my system:

- Every interfaces of this website is design for better user experience and also user friendly.
- The system should have a low down-time
- User can use different payment methods.
- The system will ensure that User Information and payment's are secure.
- The system is optimized for better performance.
- The system will not crash by heavy load.
- Need a good user interface (UI) and user experience (UX).

5.4 Product Features

Admin:

- Admin can view/approved/reject all the registered users account.
- Admin can edit/delete all the registered users information
- Admin can add Airtel and Robi Numbers to make the number database more larger
- System will stored on valid number and remove all duplicate number from the database
- Admin can create packages (Number download limit and Credit limit)
- Admin can create content categories
- Admin can add vatted text category wise
- Admin can add contents category wise
- Admin can enable/disable Bulk SMS Marketing for the users
- Admin can enable/disable Bulk SMS Marketing for the users
- Admin can view all SMS sending report user wise

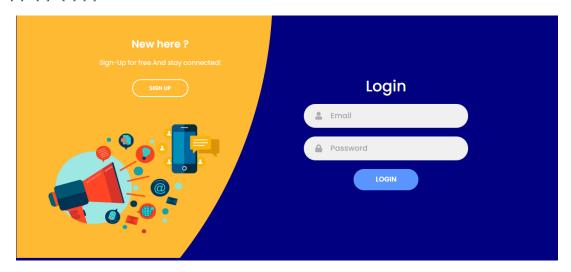
Users:

- Users can sign up and Login the system(Email-verification)
- Users can recover their forget password

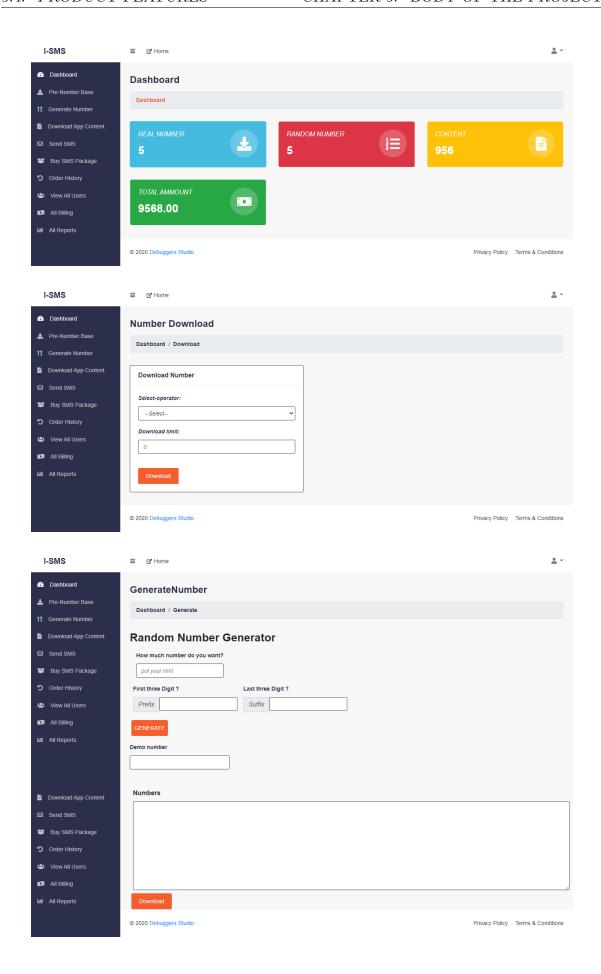
- Users can select package and Request for a account approval
- Users can buy virtual credit to send sms through the system to promote their VAS app.
- Users can download airtel and robi number as per their package
- Users can Generate Airtel and robi numbers
- Users can Download Categories and Date wise contents Vas App.
- Users can view available vatted text
- Users check their order history
- Users can schedule their promotion
- Users can check SMS sending report date wise
- Users will get email confirmation when a promotion request gets approved.

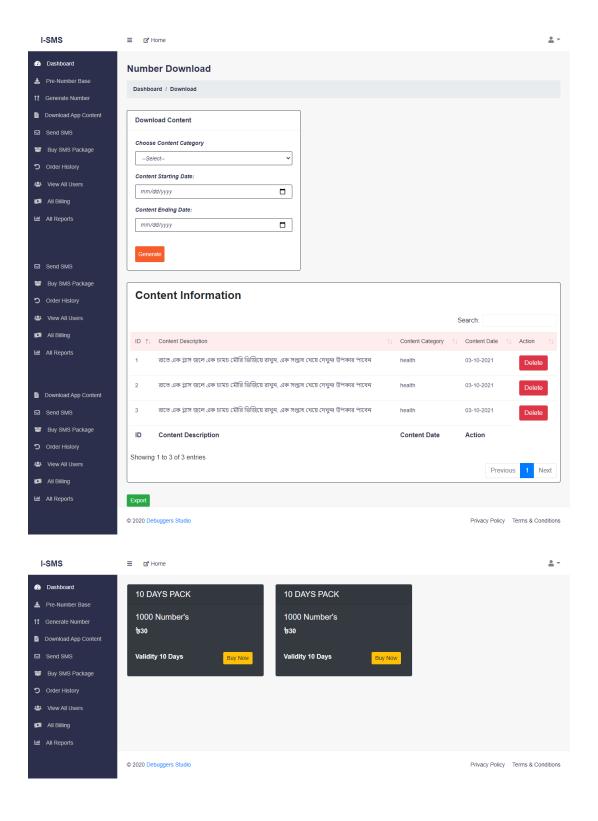
5.4.1 Input and Output

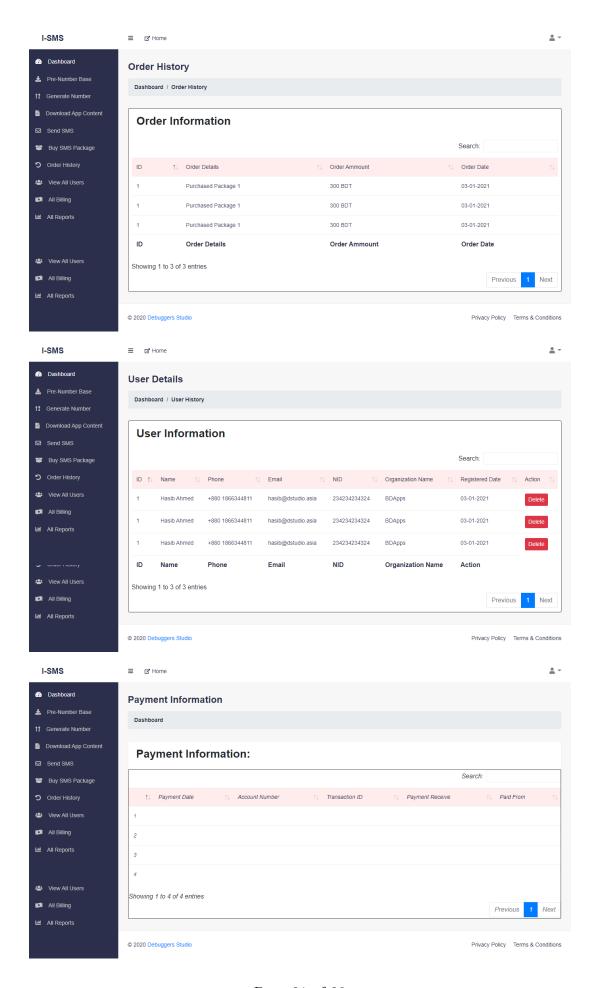
[2]. [3]. [?] [4]



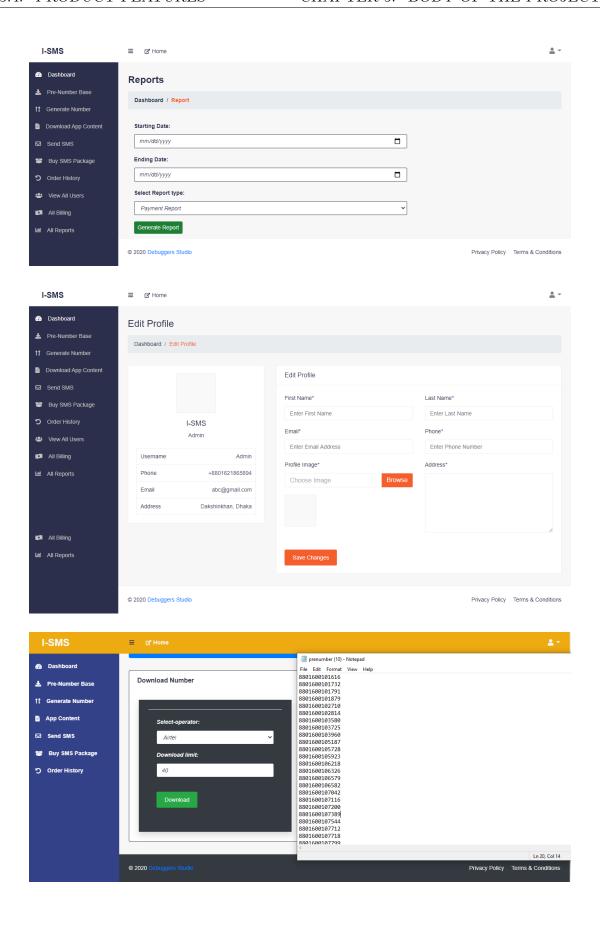


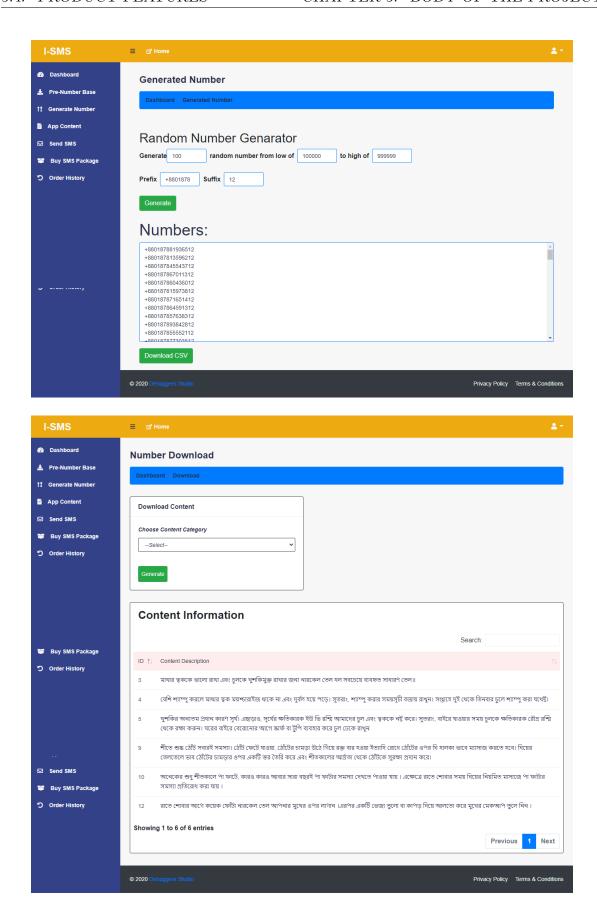


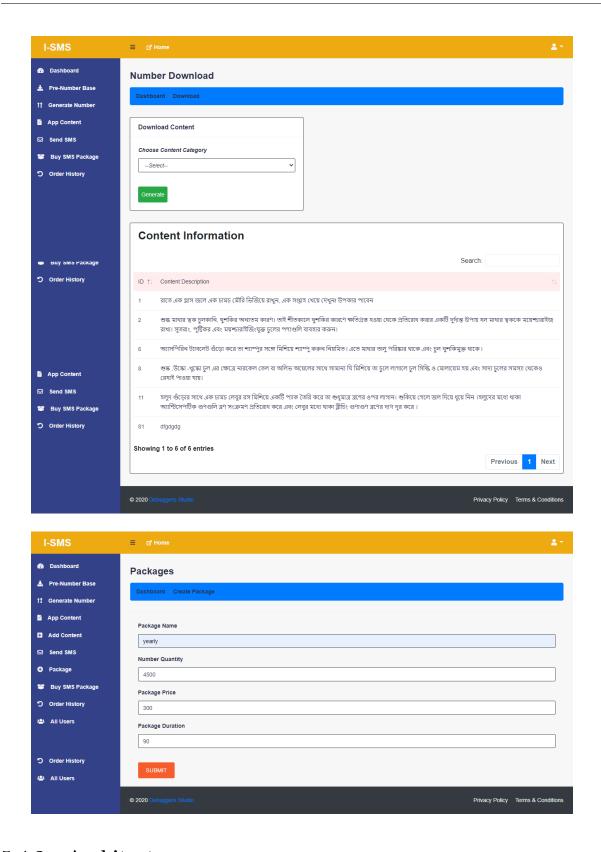




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5.4.2 Architecture

Website architecture is used in creating a logical layout of a website in line with the user and/or business requirements. My project is ISMS is website base so it is also in line with user. It defines the different components that will make up a website and the services each component or the website will provide in whole.

Some of the factors that are part of website architecture are:

- Technical constraints such as server, storage in Database and communication interfaces.
- Functional aspects such as the type of customer package services , bulb number generate and content generate in provide in my website.
- Visual appearance, i.e. the user interface, colors, buttons and other visual design elements.
- Security parameters i.e. how the website will ensure secure access control and transactions.

Results & Analysis

While working on a project we always look for a good result. I-SMS is a online Number management system. Users will have the flexibly to sign-up free in the website. It is a 24X7 system. After login in the system user can see package of number's, content's for promoting their app. There is a Real number download package page where users can select operator and then set download limit for after paying the amount users can download those numbers in text format.

There is a another Number package page, In that page user's can generate random Robi or Airtel number's ,user can put amount of generate number and then set first and last three digit of the operator and set number limit after submission the generated number's will view in the system and user can pay and download those random generated number's.

We have a another feature That feature is Content page .In the content page user can select content type from the system then a view page will show there user can see the content and after paying for the content user can download those content

In the Admin page Admin can upload Real number's in the system .Admin can see user download information and also can set download limit for each package in the system , for the content page user can update content type and upload content .

In the reporting page payment report will generate in line chart and User information will generate in a var chart.

I-SMS is a very good looking website. Everything in the website can be edited by the Admin.

Project as Engineering Problem Analysis

7.1 Sustainability of the Project/Work

Sustainability of the product/work: The capability of an organization to carry on its program or task for future is called sustainability. If a project fulfill all the requirement of a client and meet all the requirement for future goal we can call that is a sustainable project. We have to make a plan get all the requirement data and start analysis those data and find all the problem and solve them. If a project doesn't fulfill the requirement of user in the future goals this isn't a sustainable project. For making I-sms sustainable we make sure we start our work in a proper planning and make sure we fulfill all the requirement of the client as well as make sure of it that our product is user friendly. After login into the system user will find different package's of number's. it is very easy and properly transparent as well. My sms is just sms promotion system but in I-sms user can buy number content's and also can generate number for promoting their app in Mysms.

7.2 Social and Environmental Effects and Analysis

Every work has a social and Environment effects directly and indirectly. For sustainability of any project Social and Environmental effects must be highly maintained. Social effect means the affect people are facing from our work. I-sms dosen't creates any social Effects.

7.3 Addressing Ethics and Ethical Issues

Ethics is such a thing that determines the characters of a beneficial project for all the user's in a positive ethic. I-SMS system is totally secured. User's Information data will remain secured. Since I-sms is a online Number package system the risk of buying package with money and we are making sure that user money is secured.

Future Work & Conclusion

8.1 Future Works

I-sms concept was started for making a website where user can get real Airtel/Robi number's because for promoting Robi Mysms platform if they use fake number's user will lose a lot of money without making any progress of their promotion . This is totally a waste of money for the user , In I-sms we started as just making a website where user can find real Airtel and Robi number and can download those number in a package . Our future goal is to make I-sms for not just making it a robi or airtel platform but also we want to make it eligible for other operator's to . Now I-sms is used for just promoting Mysms but in future using I-sms anyone can buy any operator real number's and content and can send any information they want to real number holder's and promote their system by using I-sms.

8.2 Conclusion

We have tried so hard to build this project and I think it will be very beneficial for Robi Mysms platform and also those user's who is making application for Robi . If the system is maintained honestly, it will definitely provide very good outcomes in future. If the system is maintained honestly, it will absolutely produce very good outcomes hopefully it will make our life easier.

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