

**JAYPEE INSTITUTE OF INFORMATION
TECHNOLOGY**

INDUSTRIAL TRAINING REPORT



Dhodu

153, Wadhwa Business Complex, Laxminagar, New Delhi

Debugging Android Application

TRAINING IN-CHARGE:

Mr. Aman Priyadarshi
CEO and Founder

TRAINEE:

Shubham Aggarwal
13103437
CSE
10-06-16 to 22-07-16
(6 weeks)

ACKNOWLEDGEMENT

I would like to take this opportunity to express my heartfelt appreciation for my training in-charge **Mr. Aman Priyadarshi** for his profound knowledge, wonderful support and constant encouragement to accomplish my acquaintance on the subject. And also **Mr. Bharat Bhushan** who took me in the intern team of Dhodu & giving necessary guidance and arranged all facilities to make life easier.

Along with this, I am highly thankful to the entire team of Dhodu whose guidance and defined roadmap immensely helped me achieving a competence level in various fields of android development. I choose this moment to acknowledge his contribution gratefully.

STUDENT DECLARATION

I, Shubham Aggarwal, hereby declare that the presented report of internship titled “**Dhodu (app)**” is uniquely prepared by myself after the completion of six weeks of training at Dhodu.

I also confirm that, the report is only prepared for my academic requirement not for any other purpose. It might not be used with the interest of opposite party of the corporation.

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INTRODUCTION

1.1 Internship Objectives

The objective of my internship is to get corporate exposure and understanding of the work culture which is being followed around the globe and in order to comply with this objective I choose to have this internship conducted at Dhodu, Noida which is new start-up launched in November 2015.

My primary objective also included facing new challenges, learn, improve and develop new skill set and to get along with the industry standards.

During my 6 weeks of internship, I want to actively contribute to the company's objectives by applying the knowledge I obtained during my education such as the important aspects of technical including Digital Poster Design, advertising, media, written communication, information. The following competencies that I have chosen therefore are-

Android App Developer Intern- I want to come up with plans, design, new ideas and strategies on how to improve the company's position in the market. As a developer it's my duty to give most user friendly product in order to help company reach its potential customers in market. Thus integration of tools to track the user involvement and analytics is quite important to understand how the users are interacting with the app.

Researcher- I want to research and come up with ideas on how to improve the company's position in the market by releasing their app on market as people are always excited about the app because they are more convenient than website.

Graphic Designer- Better the graphics better user acquisition. So, worked with other interns to match the colour of app which will give a smooth app experience with beautiful colour combinations.

ORGANIZATION

2.1 About Organisation

Dhodu is a start-up, founded in year 2015 in November registered under SCA/2015/13/752146 under Indian Firms and official office is located at 153, Wadhwa Business Complex, Laxminagar, New Delhi.

It's a laundry service currently serving only in few areas of Delhi and Noida. It gives door to door service by taking dirty clothes of an individual and washing them maintaining all the standard rules and hygiene and then delivering it back after ironing.

The app mainly ponders on the problems faced by the hostel students, bachelors, paying guests and working individuals who can't do there laundry.

Detection of customers' location helps in the pick-up location. The offers are given monthly and specific laundry/dry cleaning services are also provided.



2.2 Website

<http://dhodu.com>

WORK CARRIED OUT

I was assigned to improve the company's Android App which is on the Google Play Store.

I was also assigned with their Graphic Designer to make appealing and elegant graphics for user acquisition. Along with this there is extensive testing of this app using market tools like Xamarin and Google Firebase Crash Lab so became member of Testing Unit as well.

Designing Database and making it both app and website friendly is carried out during 6 weeks of my internship.

At the end I am pretty confident that with my Technical Knowledge the company will definitely be touching skies.

It was a tremendous opportunity to learn. My fellow Interns were very talented of their domain.

I would like to thanks all of them for contributing their part and coming up with this app.

This Internship with Dhohu not only gives opportunity to learn but also teaches me how to make uniqueness in market and work culture of a Start-up. In today's world of Start-up it is really important to mark the difference. Daily, many start-ups open and shut down due to market pressure. Thus, bringing something new to customers at a reasonable price is very important.

Thus, keeping all these in mind it is very essential to provide best user experience to the users in all aspects

DETAILED DATA, ANALYSIS & DESIGN

The main frame of the app was already running in the playstore but it was not very user friendly and had lot of glitches and bugs. In the initial meetings we were told about the company's infrastructure and aims. Then we were assigned different work under the technical head and marketing head. The app was only running cash on delivery for payments so the first task was to integrate some wallet/ online gateway for payments so we started looking for it but it turns out website like Paypal, Insta Mojo, Paytm were very costly. By chance we got our eyes on PayUMoney portal which was offering huge discounts on their new merchant. But then we had to share our some profit with them which makes us to increase the pricing. So before implementing it there was a market survey conducted to that people want services or value for money.

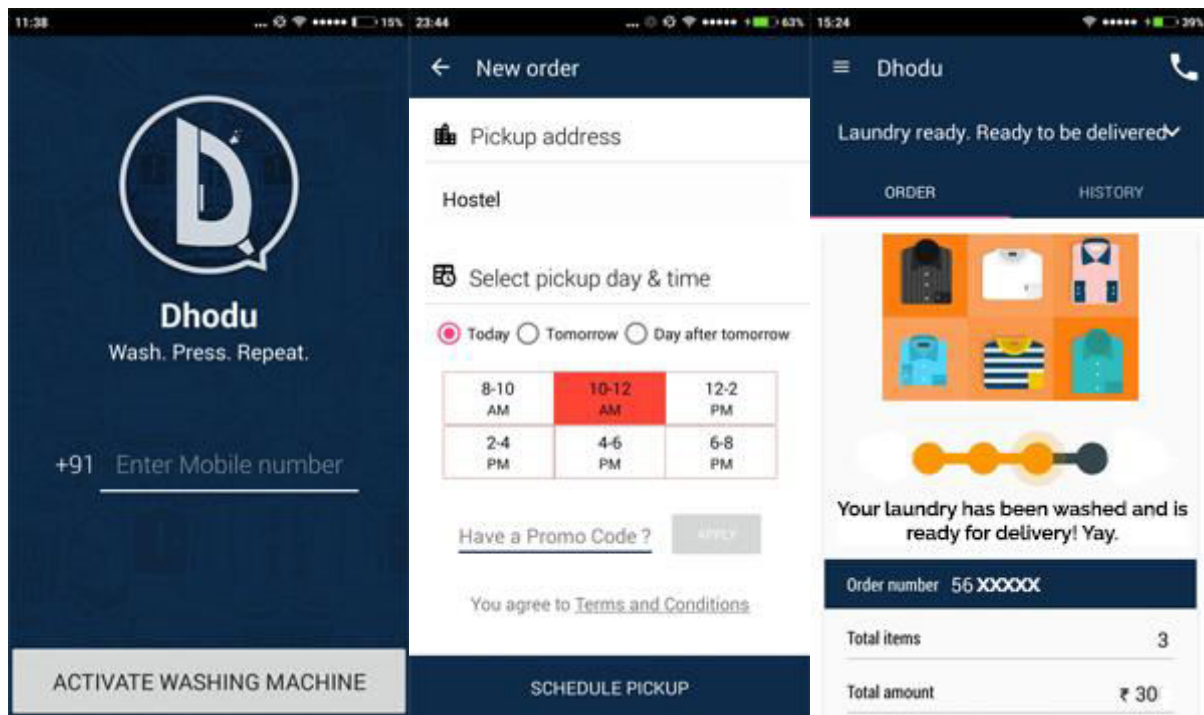
It turns out from previous data that mostly students opt for laundry and as a student we can help them better that we always want value for money hence we passed our idea of integrating wallets and focused on improving app's design and adding features.

I was personally given the work to create a navigation drawer and jump from one page to other and also came back. I was also assigned the task to make those pages like About Us, Info, FAQs and write appropriate data in it. By the end of my internship I was able to complete most of the things but during testing there were some failures. Experiments were made on Crash Labs by Google and Xamarin Plugin. Both of them are paid services. Basically it test the scalability of the project and put maximum pressure at the servers by running app by one million device simultaneously.

Mater Designed concept is used in app as it create a visual language that synthesizes classic principles of good design with the innovation and possibility of technology and science.

RESULTS

Made mobile application's interface better by using mater design and colouring scheme.



Snapshots of pages redesigned by me and fellow interns

Though the navigation drawer wasn't a complete success but it will be soon. But I'll have it soon. Learned about online transaction gateways and the money they make from providing there services, no doubt everyone is jumping in this field especially the banks.

CONCLUSIONS

In a nutshell, this internship has been an excellent and rewarding experience. I have been able to meet and network with so many people that I am sure will be able to help me with opportunities in the future.

One main thing that I have learned through this internship is time management skills as well as self-motivation. When I first started I did not think that I was going to be able to make myself sit in an office for eight hours a day, five days a week. Once I realized what I had to do I organized my day and work so that I was not overlapping or wasting my hours. I learned that I needed to be organized and have questions ready for when it was the correct time to get feedback. From this internship and time management I had to learn how to motivate myself through being in the office for so many hours. I came up with various proposals and ideas that the company is still looking into using.

I am going to continue to work for Dhodu if any problems or bugs were reported although I am still keeping my options open for new opportunities. I enjoy this line of work, but I am not sure if there is enough room to grow through this company.

I will continue to work hard in my position and hope to continue to learn about the industry and meet new people. This was an excellent experience and I hope that other interns got as much out of it as I did!

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