CSE499A Project Report

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Tripper

<u>Abstract:</u>

This project presents the overall design of an application which helps general people to travel without any hassle, inside or outside the city and on the other hand, earn some legit money with the help of his real life skills and knowledge on travelling and maps . It is hard for some people to search for routes, areas and travel freely inside or outside the city if they are new there without any relatives and that's where we come to their rescue by providing them with some verified tourists and agencies, majority of which are none other than people among us willing to be guides, as tour masters. As a result life becomes easier for both a traveler and a freelancer guide, precisely looking for jobs. The agencies are an added bonus anyway.

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Introduction:

We are in the era of science and technology. Today's society is different to the one that existed not so many years ago. Our society is constantly changing. The most important characteristics of our era may be the transformation, transmission and dominion of information. We live in an information society where the leading role has been given to new technologies, especially those devoted to information. Our society could not be imagined without new technologies and their role both in this society and in human life. Invention of android phones take our life to another level of technology. Now we can access to the whole world with the help of these android phones and apps.

Main objective: Connecting travelers and guides.

Main features: Searching for guides nearby, guides can create packages of their proposed places or accept the search requests when necessary, agencies can put their packages as well.

Scope : This system can be used anywhere, anytime.

The Problem we are trying to solve (Background and Motivation):

Travelling is an everyday deal in our day to day life. Be it inside, or outside Dhaka city. Someone visiting a new place might not always have a trustworthy hand to hold or follow in that place and take the full enjoyment of his tour. On the other hand, freelancing concept is running really well in our country where a worthy person don't have to sit back idle and he can earn some money easily on a contractual basis. We have tried to make this count as a blessing for both a traveler and a person who knows a place really well and has the potential to be a Tour Master, guide (that freelancer!).

We have the belief that this will create a new network of travelers and tour masters (guides) in and outside Dhaka city. Our motto is that we will ensure a safe and reasonable contract for both the traveler and the guide. The traveler/tourist won't face any hassle inside or outside the cities, because our verified guides will be at their service whenever needed to guide them at the place which they themselves know better.

The Solution we are providing:

The fastest medium and technology in today's world are internet and mobile phones. We will create a smart app where the guides will be able to offer their packages of giving their desired tours to the travelers. The travelers/tourist will be able to hire guides through our app. The guides will be verified by us and the authenticity of the guide is solely our responsibility (the sign up process for guides thus requires much information and we will make sure that only the worthy people are ahead in this race). We will also include agencies outside Dhaka city in our network so that they can offer their trustworthy guides and services as well (since the motto is same). These is the initial idea for this semester of CSE499A, we have a lot more to show and offer in this solution and result driven system throughout this semester break and at CSE499B of Summer'19, before the Capstone.

The Business Plan:

Our initial plan includes-

1. The guides (tour master) will offer a price for their service and area, package wise.
2. The tourist (traveler) will pay the tour master after their service ends.
3. A two way rating system is there to have a check on their performances.

4. The agencies will have paid channels in our system for their services as well.

Our aim is to make this as simple and user friendly as possible but at the same time, the features should create value and compliment the motto of our system. Along with feasibility and packaging of this app, the thing which is at the top in our priority list is the security of both the tourist and guide.

Revenue Generating Model

We can see here that there are three substances in our plan.

- The Travelers. i.e Users of this, Tourists
- The Guide i.e the freelancers, agency guides
- The Agencies i.e paid channels

We will charge only the 2nd and 3rd because the travelers are what we are offering to the guide and agencies and for this, we won't charge directly from them. Thus, this is the revenue generating model:

Traveler Pays---$\rightarrow$ Guide, Agency channels
Guide, Agency Channel pays---$\rightarrow$ Us, i.e Tripper (a commission)

Feasibility:

The feasibility of this application is quite simple. Simple in terms that only our work behind this software project will speak for itself. We plan to use android studio and firebase as the main software for the creation of this project. So, the budget from our side should be the minimal since, till now, we don't plan to spend money on this project directly. So, if our plan becomes successful and if this project serves its purpose successfully and goes live on a public platform to create even some wonders for which we have been planning to work hard for, it should be available to the audience at a really minimum price range initially (if not free). So, feasibility of this project, till now, should be really fair and practical from our end, most of which depends on the guides, agencies and users as we already discussed in the revenue generating model from our end.

The proceedings and Progress in CSE499A

The possible features have been decided by our group mutually after several discussions. Our aim is to make this as simple as possible but at the same time, the features should create value. Along with feasibility and packaging of this app, the thing which was top in our priority list was the security of both the tourist and guide. This is the prime reason why we had debates and discussion in the features list and they can be changed and improved for the betterment of this project throughout, we hope.

Possible Features we have finalized after several discussions-

*The user will be able to create an account BOTH as a guide and tourist.

*The tourist using this app will be able to find guides from both inside and outside the city.

 *The guides INSIDE THE CITY will be able to 'create and post' packages according to their desire and area.

*The guides OUTSIDE THE CITY will be provided by and through the agencies.

* The agencies will be able to create their own channels and let guides enter there.

* There will be 'fixed packages for agency guides', which will be created by the agencies only.

Conclusion (What we learnt):

- ➢ **Teamwork**- The first and foremost thing we learnt from this project was undoubtedly the team work. We worked hard on this project together in this CSE499A and we are satisfied with our performance because even if we failed at times (before it became a success and the codes got running), we never lost hope because in the back of our minds, we had it in us that if we fail to build this system, not only our own but the team member's grade would be at stake as well. So we gave our best, researched and searched for solutions on Google and books, learnt what we probably didn't even know or knew less earlier and worked as a team because we had a combined goal and thankfully and hopefully, we have almost achieved it as a team in this first part of this course and way more to go.
- ➢ **Android Studio.**
- ➢ **Firebase.**
- ➢ **Github.**