

American International University-Bangladesh (AIUB)  
**Department of Computer Science  
Faculty of Science & Technology (FST)  
Spring 20\_21**

**Section: C  
Group No: 04**

**PROJECT TITLE: TOUR GUIDELINE SYSTEM**

A software Engineering project submitted

By

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The project will be Evaluated for the following Course Outcomes

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| CO3: Choose appropriate software engineering model in a software development   environment | Total Marks |
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| Project Background Analysis (needs, goal, benefits, etc.) [5Marks] |  |
| Appropriate Process Model Selection and Argumentation with Evidence [5Marks] |  |
| Completeness, Spelling, Grammar and Organization of the Answer [5Marks] |  |
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| CO4: Explain the roles and their responsibilities in the software project   management activities | Total Marks |
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| Content Knowledge (e.g. System Functionalities, Related Product/Services) [5Marks] |  |
| Project Role identification and Responsibilities descriptions [5Marks] |  |
| Presentation Delivery and Defense [5Marks] |  |

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## PROBLEM DOMAIN

## Every human being is often a traveler. A lot can be seen with the tourist guidelines. People always have a good fantasy about tour guiding, basing on an image that this job is able to get you to everywhere around the world. Tour guiding is a rewarding job for sure since there are many good chances of exploring different countries and meeting up new foreign friends. In the meantime, tour guiding confronts plenty of challenges and pressures when organizing itineraries, taking care of every guest, and coping with any traveling problems.

# Problem Statement:

# 1.We often do not have conversations with tourist guides through fake pages.

# 2.Not all types of tourist guides can provide safety to visitors.

# 3.There are many types of tourist guide who take money from the visitors and then they have no information.

# 4.If you go by yourself, it is often too late to find a hotel, but if you go with a tour guide there is no problem in finding a hotel.

# 5.It costs a lot of money to do the tour yourself but if you do the tour with the tour guide you can visit many beautiful places at a very low cost.

# 6. There are many tour guide, pages that do not have weather updates of tourist spots. Weather updates are essential to get around.

## 1.2 Solution to the Problem:

# 1. We will make a chat options for users where one user can chat with another user. We often do conversations with tourist guides and be sure to talk to those who have given tours from some pages.

# 2. For safety we will track location of tourists and share those locations with provider, family members or friends.

# 3. For trust issues, tourists have to pay 30% payment tour cost and after finishing the tour he/she has to pay rest of the payment.

# 4. As the weather is big issue for tour then tourist must have to know about weather updates. We will provide weather updates to tourist.

# 5. As user can create a group or event so that tourist can get benefitted by saving money and they can visit main tourist spots short period of time without roaming here and there.

# SOFTWARE DEVELOPMENT LIFE CYCLE

## Process Model:

For developing our project “Tour Guideline” we aim to use waterfall model of linear sequential model. Waterfall model is a linear sequential model where next phase starts only after completion of the previous phase. Which means it is a breakdown of project activities into linear sequential phases, where each phase depends on the deliverables of the previous one and corresponds to a specialization of tasks. To complete our project we selected waterfall model among all other methods. As we had discussed earlier about what we are going do in this project and how we solve the issue in (1.2) solution to the problem. We choose waterfall model as it is very simple to understand and easy to use because of its systematic well-defined process description. As we have a clear idea about the project, we think, in future no changes are required in this project and according to our project requirements, we found waterfall model would be best for our project.

We know the use of waterfall model makes the software system very inflexible for further modification. In our project there will be no further requirements or modification in future so we won’t need to modify our project. So, this is another reason to choose waterfall method as our project model. As waterfall model is a linear process, it will be easier and perfect for our project if we work sequentially.  There will be no customer requirements in this software. So, there is no urgency to deliver, also we can work autonomously so that we can develop this project fast without any kind of rush.

## Project Role Identification and Responsibilities:

Below are all the things we need to do this project:

* Tourist:

They will use this software to see the place they want to visit, Book hotel, see weather updates, Boom guide etc.

* Programmer:

Keeps the program code as simple and definite as possible

* Tester:

Their job is to identify bugs and errors in the software .They also ensure the software work properly .They do this at the last steps of the project.

* Project manager:

He is the leader & delegator. His principal responsibility is into ensure the project execution respecting it’s scope, cost & time . His duties are delegating and team management .

* Organizer:

An organizer will organize various tours. And the tour guide will make the appointment. Safety of tourists through the app, to see if everything is going well.

* Guide:

Tour guides accompany groups of visitors to **tourist** attractions, whether on day trips or longer visits, and give them information and insights that help them make the most of the experience. Potential tour guides should be fit and healthy with lots of energy and confidence.

* Technical Consultant:

Also known as a Solutions Architect, their role entails designing the structure of IT systems, and oversight of business-optimizing programs.