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Travel Guide Submitted to Dr. Md Mostafijur Rahman Associate Professor Department of SWE Daffodil International University Submitted by Anamika Das ID: 161-35-1440 This Project report has been submitted in fulfillment of the requirements For the Degree Of Bachelor of Science in Software Engineering. ©All rights Reserved by Daffodil International University DECLARATION It hereby declares that this project has been completed by me under the supervision of Dr. Md Mostafijur Rahman, Associate Professor, Department of Software Engineering, and Daffodil International University. It is also declared that neither this work nor any part of this has been submitted elsewhere for award of any degree or diploma by me. Submitted by: Anamika Das Student ID: 161-35-1440 Batch: 19th Department of Software Engineering Faculty of Science & Information Technology Daffodil International

University Certified by: Dr. Md Mostafijur Rahman Associate Professor Department of Software Engineering Faculty of Science & Information Technology Daffodil International University ACKNOWLEDGEMENT First of all, I am grateful to The Almighty Allah for making me eligible to complete this work. After that I would like to thank my supervisor Dr. Md Mostafijur Rahman, Associate Professor, Department of Software Engineering. I am extremely thankful to his skill, sincere and valuable guidance and encouragement extended to me. I would like to express my heartiest thanks to Dr. Touhid Bhuiyan, professor & head of Software Engineering department for his continuous encouragement. I also would like to thank all the faculty members of the Department of Software Engineering for their assistance &encouragement. Last but not least, I would like to thank to my parents for their unconditional support and love. ABSTRACT "Travel Guide" this is an online based travel guide taking system. It helps traveler to get their travel guide through internet by using website. This project is helpful for user who doesn't waste their time to get their desire jobs as a travel guide. It is also useful for tour and tourism event organizer or company to get their client. All types of users can easily login from this site, and travelers can send request to hire travel guide by providing their own requirements. Travel guides can to response a request at a time in according with their choice. Tour organizers can create tour events or packages without trouble. Admin can monitor registered users as needed, approve events which are created by organizer or company for showing on traveler screen. This website another benefit is traveler who books package not only one organizer or company same packages but other organizer or company packages also see by searching. All of users are able to update their profile information. iii | P a g e Table of Contents 1 NTRODUCTION

reach of those places. The arrival and the departure time at each tourist site is restricted by its travel agency which is not available tour time for someone. When they don't choice package, waste time to go for adventure that is long and more hassle. So to remove these problems and make it more efficient for both tourist, travel guide and tour organizer, I take this project. 1.4 Objectives • To make the system automatic and digital. • To reduce the manual works. • To make the process time efficient. • To secure and arrange the data efficiently. • To make an easy way to find an authentic travel guide. • To found secure tour packages easily. • Easy to use. 1.5 Stakeholder There are many members are associate with this project. They have helped to develop the system directly or indirectly. 1.5.1 Internal Stakeholder 1. Admin 2. Tourist 3. Travel Guide 4. Tour Event Organizer 1.5.2 External Stakeholder 1. Visitors 1.6 Proposed System To develop this system, I proposed a model for this online Travel Guide. Figure 1: Propose System Model In this system user should register for using the system. To registration a user, first he/she give his/her information. After register, a user can use the system through login using email, NID and password. Than the user can hire travel guide as needed. According to the user choice, he can select tour package and booking package. After confirmation by the user, system booked the package for that user. 1.7 Project Plan Properly full fill the requirements and complete the project at the right time, project schedule helps for proper planning. I also make a project schedule to complete my project properly. Table 1: Project Planning Task Name Planning Resource Name Start PM,BA, 01-06-2019 Finish 12-06-2019 Duration(Days) 12 Requirement RE, RA 13-06-2019 18-07-2019 36 System Design UI Designer, 19-07-2019 16-09-2019 60 Database Design DB Designer 17-09-2019 16-10-2019 30 Development Developer 17-10-2019 29-02-2020 136 Testing Tester 01-03-2020 25-03-2020 25 Implementation Implementation Eng. 25-03-2020 12-04-2020 18 Delivery PM, Implementation Eng. 13-04-2020 25-04-2020 13 Total 330 Days 1.8 Gantt chart In project planning, I use Gantt chart to manage my project properly. To use these tools, I can track the entire task which is not done or not. Also track which one is schedule for the next task. I control my project duration by these tools. Figure 2: Gantt chart 1.9 Risk In Gantt chart tools, I show the project duration. I took days for developing, so that I could mitigate my risk. In developing page, I find out a risk that risk is developer. Who may sick or leave. 1.10 Milestone Milestones, a time frame of a project, will define the task. These project milestones are as follows: Table 2: Project Milestone Task No Task Name Duration 01 Planning 12 Days 02 Requirement gathering & Analysis 36 Days 03 System Design 60 Days 04 Data Base Design 30 Days 05 Development 136 Days 06 Testing 25 Days 07 Implementation 18 Days 08 Relies 13 Days Total 330 Days Chapter-2 Requirement Specification 2 SOFTWARE REQUIREMENT SPECEFICATION 2.1 Requirement satisfaction Requirement is the process of identifying the user satisfaction form the System. So, Requirement is an important part of project management. When I selected this project I thought about some specific Software requirement, like as ❖ Who is the stakeholder of this system? ❖ Is it helpful for them or not? ❖ Functional & Non- functional requirements? ❖ Is it efficient for using? 2.2 Functional requirement The functional requirements of the system are like below – 2 .2.1 User Registration Table 3: User Registration FR-01 User Registration Description In this system there are many users like Tourist, Travel guide, Tour Event Organization, Admin, visitor etc. But registration is must for those User who want to hire Travel guide, get tour package and create tour event. This page is required some information like as username, email, phone number, NID number, user type etc. and store the information. Stakeholder Traveler, Travel Guide, Tour Organizer, Admin 2.2.2 User Login Table 4: User Login FR-02 User Login Description Here, login is must for those User who want to hire Travel guide, get tour package and create tour event. This page is required some information like as email, NID number, and password to login in this system after registration. Stakeholder Traveler, Travel Guide, Tour Organizer, Admin 2.2.3 Hire Travel Guide Table 5: Hire Travel Guide FR-03 Hire Travel Guide Description Only registered user can hire travel guide as his tour helper. This module will help the user to hire travel guide through taking some information. Stakeholder Traveler 2.2.4 Accept Hiring Request Table 6: Accept Hiring Request FR-04 Accept Hiring Request Description Only registered Travel Guide can accept request which is send from traveler. This module will help the Travel Guide to accept hiring request and sent confirmation to traveler. Stakeholder Travel Guide 2.2.5 Create Tour Event Table 7: Create Tour Event FR-05 Create Tour Event Description Only registered Tour Organizer can create tour event for getting tourist. This module will help the user to create tour events through taking some information by the system. Stakeholder Tour Organizer or Company 2.2.6 Approve Tour Event Table 8: Approve Tour Event FR-06 Approve Tour Event Description Only Admin can approve created tour event for showing on traveler wall. This module will help the user to approve created tour events. Stakeholder Admin 2.2.7 Show and Booking Tour Package Table 9: Show and Booking Tour Package FR-07 Show and Booking Tour Package Description Only registered Traveler can show tour packages which are approved by Admin and booking those from his wall. This module will help the traveler to show and booking package. Stakeholder Traveler 2.2.8 Monitoring System Table 10: Monitoring System FR-08 Monitoring System Description Without Admin there is nobody monitor the whole system. Only Admin can track all users' information. Stakeholder Admin 2.3 Performance Requirement It's very necessary to sustain the performance of the project. To assure the better performance, this project has to meet some requirements which will provide the better performance. 2.3.1 Speed and Latency Requirement While inserting or viewing the system in the browser, system need a minimum amount of speed to perform the task. Table 11: Speed and Latency Requirements SLR-01 The system will be faster Description When the user browsing, it depends on their internet speed. It also depends on server bandwidth speed. Stakeholders User, Admin, Visitor 2.3.2 Legibility and accuracy requirements System has to confirm the Legibility and Accuracy of the data. Table 12: Legibility and Accuracy Requirements LAR-01 Data accuracy Description The input data should be correct and right pattern data, otherwise the input information never save. Like email, username, NID, user type etc. the input information is not valid, the data never save. Or the input data pattern is not match; the system never saves or accepts the data. Stakeholders User, Admin, Visitor 2.3.3 Capacity requirements The system should maintain the all inserting data. Table 13: Capacity Requirements CR-01 Manage the all data in database system. Description All registration data like Traveler, Travel Guide, Tour Organizer, Admin data and other information are store in the database in right format. Stakeholders User, Admin, Visitor. 2.3 .4 Dependability requirements Dependability means, it measures of a system availability, reliability, security etc. Here, dependability means the run time of this project. 2. 3.5 Reliability and availability Table 14: Reliability and Availability RA-01 The system must be available 24x7 Description › It's available 24 hours in a day › The system must be updated regularly Stakeholders Traveler, Travel Guide, Tour Organizer, Admin, Visitor. 2.3.6 Safety critical requirements: There are no specific safety critical requirements. 2. 4 Maintainability and supportability To maintain the system and support the system, some people are connected with the project. 2. 4 .1 Supportability requirements specification • SRS-1. Understand the system's behavior on a technical support is required by the system operator. The reason for reading them might be • SRS-2. System malfunction has occurred and the system operator has to find the exact point of time when this happened • SRS-3. System produces wrong results and the developers must be able to reproduce the data flow through the system • SRS-4. Anyone tried to breach the system's security mechanisms and the system operator must understand what he did. 2.5 Adaptability requirements There is no specific adaptability Requirements. 2. 5.1 Security requirements • SR-1. Log in as a Traveler • SR-2. Log in as Travel Guide. • SR-3. Log in as a Tour Organization. • SR-4. Log in as an Admin. To get access to this system or a specific module the system must provide an authentication mechanism. To prevent anyone to exploit stolen Data all user's password must be encrypted in hash process. 2.5.2 Access requirements This system provides accesses the different module, by access the authentication way the authentic user. 2. 5.3 Integrity requirements To prevent credentials information of user from being stolen, all passwords are stored in encrypted form. The Requirements significantly reduces the value of stolen user credentials, it's not easy to decrypt the password. 2.6 Usability and human integrity requirements This system easy to use and all the person who wants to get a travel guide or tour package and who manage it. 2.7 Data Validation In this stage I have try to validate almost all input field. 2.8 User Interface Design It is important to consult the system users and their necessities while designing the user interface. Chapter-3 Requirement Analysis 3 SOFTWARE REQUIREMENT ANALYSIS 3.1 Use Case Diagram: In this system a user what things he/she can do, is describe in this picture that provide in below. A user can login in the system. But before login he/she must registration in this system as a user which has three types

like Traveler, Travel Guide and Tour Organizer. Then they can access the login option. After login Traveler can access on his/her portal to take travel guide or booking tour package for his/her easy travel. Tour Guide can access on his own portal to response traveler request. Tour Organizer can create tour event or package to get tourist for his/her business. Admin should login to approve created tour package and he/she can manage all the event, task of the system. Figure 3: Use-Case Diagram 3.1.1 Registration Table 15: Registration Use Case Registration Use case no 01 Goal Register to the system Precondition Need to fill up with correct information Primary actor Secondary actor Traveler, Travel Guide, Tour Organizer, Admin None Trigger Button Description /Main success scenario Step 1. 2. 3. 4. Action Browse into the system Select the registration button if new in this system Select submit button Registration complete Post Condition User can login with email, NID & password Alternative flow Not applicable 3.1.2 Login Table 16: Login Use case Login Use case no 02 Goal Login into the system to change anything into the system Precondition Must be registered Primary actor Secondary actor Traveler, Travel Guide, Tour Organizer, Admin None Trigger Button Description /Main success scenario Step 1. 2. 3. 4. Action Visit the Travel Guide system home page Select login page Submit email, NID and password If yes, than login successful Post Condition System response with a login successful message Alternative flow Not applicable 3.1.3 Hire Guide Table 17: Hire Guide Use case Hire Guide Use case no 03 Goal To take a Travel Guide as a tour assistant from this system Precondition Must be Login into the system Primary actor Secondary actor Traveler None Trigger Button Description /Main success scenario Step 1. 2. 3. 4. Action Login into the system Go to Hire guide page Provide required information about tour plan Click Hire Guide button to send request Post Condition System response with a successful message Alternative flow Not applicable 3.1.4 Get Hiring Request Table 18: Get Hiring Request Use case Get Hiring Request Use case no 04 Goal Get hiring request from traveler Precondition Must be Login into the system Primary actor Secondary actor Travel Guide None Trigger Button Description/Main success scenario Step Action 1. Login into the system 2. Check notification option from profile page Post Condition Show request details Alternative flow Not applicable 3.1.5 Accept Hiring Request Table 19: Accept Hiring Request Use case Accept Hiring Request Use case no 05 Goal Accept hiring request to perform as a travel guide Precondition Must be Login into the system and get request Primary actor Secondary actor Travel Guide None Trigger Button Description /Main success scenario Step 1. 2. 3. 4. Action Login into the system View notification from profile page Check that it is available or not Click on Accept request button if it is available Post Condition System response with a successful message Alternative flow Not applicable 3.1.6 Search package Table 20: Search Package Use case Search package Use case no 06 Goal Search preferable package with tourist place name Precondition Must be Login into the system and go to search box Primary actor Secondary actor Traveler None Trigger Button Description /Main success scenario Step 1. 2. 3. 4. Action Login into the system Go to search box from profile page Write tourist place name Press enter or click for searching Post Condition System response with available package Alternative flow Not applicable 3.1.7 Show package Table 21: Show Package Use case Show package Use case no 07 Goal Show all category of tour packages Precondition Must be Login into the system Primary actor Secondary actor Traveler None Trigger Button Description /Main success scenario Step 1. 2. 3. Action Login into the system Go to Tour Package page from profile page View all post of tour packages Post Condition System show available package Alternative flow Not applicable 3.1.8 Booking package Table 22: Booking Package Use case Booking package Use case no 08 Goal Booking specific tour package from all package Precondition Must be Login into the system Primary actor Secondary actor Traveler None Trigger Button Description /Main success scenario Step 1. 2. 3. 4. Action Login into the system Go to Tour Package page from profile page View all post of tour packages Click on Booking button which is choice Post Condition System response with a successful message Alternative flow Not applicable 3.1.9 Get Booking Information Table 23: Get Booking Information Use case Get Booking Information Use case no 09 Goal Get booking information which are booked Precondition Must be Login into the system Primary actor Secondary actor Tour Organizer None Trigger Button Description/Main success Step Action scenario 1. Login into the system 2. Go to notification option 3. View booking information who is booked which package Post Condition System show booking information Alternative flow Not applicable 3.1.10 Create package Table 24: Create Package Use case Create package Use case no 10 Goal To create tour package or event Precondition Must be Login into the system Primary actor Secondary actor Tour organizer None Trigger Button Description /Main success scenario Step 1. 2. 3. 4. Action Login into the system Go to Create event page from profile page Fill up all required option to create an event or package Click on Create button Post Condition System response with a successful message Alternative flow Not applicable 3.1.11 Approve package Table 25: Approve Package Use case Approve package Use case no 11 Goal To approve tour package or event which are created Precondition Must be Login into the system Primary actor Secondary actor Admin None Trigger Button Description /Main success scenario Step 1. 2. 3. 4. Action Login into the system Go to notification option from profile page View created package which is unapproved Click on Approve button to show new created package on Tour Package page of Traveler's profile. Post Condition System response with showing approved which was unapproved Alternative flow Not applicable 3.2 Activity Diagram Following activity diagrams are exactly describing the flow of the different state of the project. 3.2.1 Registration By this figure I explain my system. If anyone enter the system, he/she see the all the option. And who are registered user and he/she can login in the system. According to the rule he/she can access different potion. Figure 4: Registration of Activity Diagram 3.2.2 Login Figure 5: Login of Activity Diagram 3.2.3 Hire Travel Guide Figure 6: Hire Travel-Guide of Activity Diagram 3.2.4 Get and Accept Hiring Request Figure 7: Get and Accept Hiring Request of Activity Diagram 3.2.5 Search and Show Package Figure 8: Search and Show Package of Activity Diagram 3.2.6 Booking Package Figure 9: Booking Package of Activity Diagram 3.2.7 Get Booking Information Figure 10: Get Booking Information of Activity Diagram 3.2.8 Create Package Figure 11: Create Package of Activity Diagram 3.2.9 Approve Created Package Figure 12: Approve Created Package of Activity Diagram 3.3 Sequence Diagram: Sequence Diagram show the process in sequential way that it's actor done. In this section describe the sequence system to database. 3 .3.1 Registration: Figure 13: Registration of Sequence Diagram 3 .3.2 Login: Figure 14: Login of Sequence Diagram 3.3.3 Hire Travel Guide: Figure 15: Hire Travel-Guide of Sequence Diagram 3.3.4 Booking Package: Figure 16: Booking Package of Sequence Diagram 3.3.5 Get and Accept Hiring Request: Figure 17: Get and Accept Hiring Request of Sequence Diagram 3.3.6 Get Booking Information: Figure 18: Get Booking Information of Sequence Diagram 3.3.7 Create Tour Package: Figure 19: Create Tour Package of Sequence Diagram 3.3.8 Approve Created Package: Figure 20: Approve Created Package of Sequence Diagram 3.3.9 Monitor User Information: Figure 21: Monitor User Information of Sequence Diagram 3.4 Class Diagram: To Describe the system properly and its process with attributes and methods. Figure 22: Class Diagram 3.5 Entity Relationship Diagram: To describe the system database with its table, primary key, foreign key and the relation between the tables. Figure 23: Entity Relationship Diagram Chapter-4 Technology & Tools 4 TECHNOLOGY AND TOOLS 4.1 User Interface Technology User interface (UI) is everything designed into a system view that a person's associates with this system may like the interface of this system. 4.1.1 Technology ❖ Programming language: C# ❖ Web server: IIS Express ❖ Design: html, CSS, bootstrap, JavaScript, JQuery ❖ Framework: ASP.NET MVC 4.1.2 Tools ❖ Microsoft Visual Studio ❖ Sublime Text 3 4.2 Database Technology Database technology take information and store, organize, and process it in a way that enables users to easily and intuitively go back and find details they are searching for. 4.2.1 Technology ❖ Database server: SQL Server Management Studio 4.2.2 Tool ❖ SQL Server Management Studio Chapter-5 Implementation 5 IMPLEMENTATION 5.1 Hardware & Software Specifications In this stage I want to describe what's needed to build this application. 5.1.1 Hardware Requirements ❖ PROCESSOR: Dual Core or above ❖ RAM: 2GB or above ❖ Cache Memory: 2MB or above ❖ HDD: 20GB or above 5.1.2 Software Requirements ❖ IDE: Visual Studio ❖ Database: SQL Server Management Studio ❖ Web-Server: IIS express Chapter-6 User Manual 6 USER MANUAL 6.1 Home Page Figure 24: Home 6.2 Registration Figure 25: Registration 6.3 Login Figure 26: Login 6.4 About Figure 27: About 6.5 Contract Figure 28: Contract 6.6 Hire Guide Figure 29: Hire Guide 6.7 Accept Hire Request Figure 30: Accept Hire Request 6.8 Create Tour Event Figure 31: Create Tour Event 6.9 Approve Created Event Figure 32: Approved Event 6.10 Show and Booking Package Figure 33: Booking Package 6.11 User Booing Information Figure 34: User Booking Information 6.12 Help Figure 35: Help 6.13 User Information Figure 36:

User Information Chapter-7 Testing 7 SOFTWARE TESTING 7.1 Testing The testing of the software was done in full manual end user data flow testing style. The testing approach is narrated here omitting the technical details. Two common type of testing is black box testing and white box testing. Black box testing is also called functional testing. In this stage we test only functionality, input, and output. White box testing is structure level testing. For this project I have used black box testing method. 7 .2 Testing Strategy A testing strategy is a general approach to the testing process rather than a method of devising particular system or component tests. Different testing strategies may be adopted depending on the type of system to be tested and the development process used. In this project I have used Black Box Testing method. 7.3 Test approach A test approach is the test strategy implementation of a project, defines how testing would be carried out. Test approach has two techniques: • Proactive - An approach in which the test design process is initiated as early as possible in order to find and fix the defects before the build is created. • Reactive - An approach in which the testing is not started until after design and coding are completed. 7.3.1 Black Box Testing Black box trying out additionally referred to as purposeful checking out that ignores the inner mechanism of a device or element and specializes in the outputs generated in response to selected inputs and execution conditions. We' ve decided to perform equivalence partitioning and Boundary value evaluation for this gadget. 7.3.2 White Box Testing White box checking out is a software trying out method wherein the inner structure or implementation of the item being examined is understood to the tester. The tester chooses inputs to workout paths thru the code and determines the proper outputs. Programming understand how and the implementation know-how is crucial. 7.4 Pass / Fail Criteria The entrance criteria for each phase of testing must be met before the next phase can commence. Now the criteria for pass and fail are given below. • According to the given scenario the expected result need to take place then the scenario will be considered as pass otherwise that criteria should be failed. • If an item tested 10 times, 9 times perfectly worked and single time do not work properly then it will consider as fail case. • System crash will be considered as fail case. • After submitting a query in the system, if expected page won't appear then it will be considered as fail case. 7.5 Testing Environment Testing environment is a setup of software and hardware for the testing teams to execute test cases. In other words, it supports test execution with hardware, software and network configured. For test environment, key area to set up includes. ❖ System and applications ❖ Test data ❖ Database server ❖ Front end running environment ❖ Client operating system ❖ Browser, Network ❖ Hardware includes Server Operating system ❖ Documentation require like reference documents/configuration guides/installation guides/ user manuals. 7.6 Use Case Testing Use Case Testing is a functional Black Box Testing technique that helps to identify test scenarios that exercise the whole system on each transaction basis from start to finish. 7.7 Test Case A test case is a document, which has a set of test data, preconditions, expected results and post conditions, developed for a particular test scenario in order to verify compliance against a specific requirement 7.7.1 Test case for User Registration Table 26: Test case for User Registration (Pass) Test Case ID: TC 01 Module Name: Registration Sub Module: User Registration Test Priority (Low/Medium/High): High Test Title: Student Registration with valid information Description: Test the system' s on registration page Test Designed by: Anamika Test Designed date: 20/04/ 20 Test Executed by: Anamika Test Execution date: 20/04/ 20 Pre-conditions: The user navigate to registration page and input the required filled. And click on the Register button. Ste Test Steps Test Data Code Module Expected Actual p Result Result Pass/Fail Navigate to 1 Registratio Click on n Page Registration Tab Redirect 2 Name Panna to home 3 NID 09876 User can be page 4 E-mail panna@gmail.com registered with Pass 5 Phone 017978656756 successfully User 6 Password panna access part. 7 Confirm Password panna Post-conditions: If the user information's are valid then the information will saved in the database otherwise show the invalid fields. Table 27: Test case for User Registration (Fail) Test Case ID: TC 02 Module Name: Registration Sub Module: User Registration Test Priority (Low/Medium/High): High Test Title: Student Registration with valid information Description: Test the system' s on registration page Test Designed by: Anamika Test Designed date: 20/04/20 Test Executed by: Anamika Test Execution date: 20/04/20 Pre-conditions: The user navigate to registration page and input the required filled. And click on the Register button. Ste Test Steps Test Data Code Module Expected Actual p Result Result Pass/Fail Navigate to 1 Registratio Click on Registration Tab Redirect n Page to home 2 Name Panna page 3 NID 09876 User cannot 4 E-mail panna@gmail.com be registered with User Fail 5 Phone Null successfully access 6 Password panna part 7 Confirm Password panna error. Post-conditions: If the user information's are valid then the information will saved in the database otherwise show the invalid fields. 7.7.2 Test Case for User Login Table 28: Test Case for User Login (pass) Test Case ID: TC 03 Module Name: Login Sub Module: User Login Test Priority (Low/Medium/High): High Test Designed by: Anamika Test Designed date: 21/04/20 Test Title: User Login with valid email. Description: Test the system' s Login page Test Executed by: Anamika Test Execution date: 21/04/20 Pre-conditions: The user has valid email and password. The current email is panna @gmail. com and password panna The system navigates to Login page. And click on the Login button. Step Test Steps Test Data Code Expected Actual Module Result Result Pass/Fail 1 Navigate to Click on Login Login Page Tab Input Email 2 and it must panna@gmail. be Unique com User login Home Page 3 Input successfully. successfully. Pass Password panna Click on 4 Signup Button Post-conditions: Student is validated with database and successfully login to account. The account session details are logged in database. Table 29: Test Case for User Login (Fail) Test Case ID: TC 04 Module Name: Login Sub Module: User Login Test Priority (Low/Medium/High): High Test Title: User Login with valid email /user name and password Description: Test the system's Login page Test Designed by: Anamika Test Designed date: 21/04/20 Test Executed by: Anamika Test Execution date: 21/04/20 Pre-conditions: The user has valid email and password. The current email is panna @gmail. com and password panna. The system navigates to Login page. And click on the Login button. Step Test Steps Test Data Code Expected Module Result 1 Navigate to Click on Login Login Page Tab Actual Result Pass/Fail Input Email 2 and it must Panna.gmail.com User should Redirect to be Unique not be able the login Input to login page with Fail 3 Password panna successfully error Click on . message 4 Signup Button Post-conditions: User is validated with database and successfully login to account. The account session details are logged in database. 7.7.3 Test Case for Hire Travel Guide Table 30: Test Case for Hire Travel Guide (Pass) Test Case ID: TC 05 Module Name: Hire Guide Pre-conditions: The user has valid email and password. The current email is panna @gmail. com and password panna. The system navigates to Hire Guide page. Fill the all information. And click on the Hire button. Sub Module: Hire Travel Guide Test Priority (Low/Medium/High): High Test Title: Hire guide with valid information. Description: Test the system' s travel guide hire or booking. Step 1 2 Test Steps Navigate to Hire Guide Page Input information and it must Test Data Click on Hire Button Test Designed by: Anamika Test Designed date: 22/04/ 20 Test Executed by: Anamika Test Execution date: 22/04/ 20 Code Module Expected Result Hire successfully. Actual Result Successfully Hire Travel Guide Pass/Fail Pass be filled. Click on 3 Signup Button Post-conditions: The information validated and stored in database and successfully hire travel guide. Table 31: Test Case for Hire Travel Guide (Fail) Test Case ID: TC 06 Module Name: Hire Guide Sub Module: Hire Travel Guide Test Priority (Low/Medium/High): High Test Title: Required information did not store. Description: Test the system's travel guide hire or booking. Test Designed by: Anamika Test Designed date: 22/04/20 Test Executed by: Anamika Test Execution date: 22/04/20 Pre-conditions: The user has valid email and password. The current email is panna @gmail. com and password panna. The system navigates to Hire Guide page. Fill the all information. And click on the Hire button. Step Test Steps Test Data Code Expected Actual Module Result Result Pass/Fail Navigate to 1 Hire Guide Click on Hire Page Button Did not Input provide Hiring is deny. Fail 2 information required and it must information. be filled. Click on 3 Signup Button Post-conditions: The information validated and did not stored in database. 7.7 .4 Test Case for Booking Package Table 32: Test Case for Booking Package (Pass) Test Case ID: TC 07 Module Name: Booking Package Sub Module: Booking Travel Package Test Priority (Low/Medium/High): High Test Designed by: Anamika Test Designed date: 23/04/20 Test Title: Booking with select package. Description: Test the system's booking package. Test Executed by: Anamika Test Execution date: 23/04/20 Pre-conditions: The user has valid email and password. The current email is panna @gmail. com and password panna. The system navigates to Tour Package page. Select package and click on the Booking button. Step Test Steps Test Data Code Expected Actual Module Result Result Pass/Fail Navigate to 1 Tour Click on Booking

Package Button Page Successfully Booking Input complete Pass successfully. 2 information booking and it must be filled. Click on 3 Signup Button Post-conditions: The information stored in database and show successfully Booking Tour Package Table 33: Test Case for Booking Package (Fail) Test Case ID: TC 08 Module Name: Booking Package Sub Module: Booking Travel Package Test Priority (Low/Medium/High): High Test Title: Did not select tour package for Booking. Description: Test the system's booking package. Test Designed by: Anamika Test Designed date: 23/04/ 20 Test Executed by: Anamika Test Execution date: 23 /04/ 20 Pre-conditions: The user has valid email and password. The current email is panna @gmail. com and password panna. The system navigates to Tour Package page. And click on the Booking button. Step Test Steps Test Data Code Expected Actual Module Result Result Pass/Fail Navigate to 1 Tour Click on Booking Package Button Page Tour Booking is Input Package did deny. Fail 2 information not selected. and it must be filled. Click on 3 Signup Button Post-conditions: The information did not stored in database and show Error massage. 7.7 .5 Test Case for Accept Request Table 34: Test Case for Accept Hiring Request (Pass) Test Case ID: TC 09 Module Name: Accept Hiring Request Sub Module: Accept Request Test Designed by: Anamika Test Priority (Low/Medium/High): High Test Designed date: 24/04/20 Test Title: Accept Request with valid information. Test Executed by: Anamika Description: Test the system's Accepting Travel Guide Hire Request Test Execution date: 24/04/ 20 Pre-conditions: The user has valid email, NID and password. The current email is sourav @gmail. com and password sourav. The system navigates to Travel Guide page. And click on the Accept button. Step Test Steps Test Data Code Expected Actual Module Result Result Pass/Fail Navigate to 1 Click on Accept Travel Guide Page Button Accept Successfully Input request Accept Pass 2 information successfully. Hiring and it must Request be filled. Click on 3 Signup Button Post-conditions: The information validated and stored in database and successfully accept hiring request. Table 35: Test Case for Accept Hiring Request (Fail) Test Case ID: TC 10 Module Name: Accept Hiring Request Sub Module: Accept Request Test Priority (Low/Medium/High): High Test Title: Required information did not store. Description: Test the system's Accepting Travel Guide Hire Request. Test Designed by: Anamika Test Designed date: 24/ 04/20 Test Executed by: Anamika Test Execution date: 24/ 04/20 Pre-conditions: The user has valid email, NID and password. The current email is sourav @gmail. com and password sourav. The system navigates to Travel Guide page. And click on the Accept button. Step Test Steps Test Data Code Expected Actual Module Result Result Pass/Fail Navigate to 1 Click on Accept Travel Guide Page Button Did not Input accept Accepting is deny. Fail 2 information request. and it must be filled. Click on 3 Signup Button Post-conditions: Did not accept request, store in database. 7.7.6 Test Case for Create Tour Package Table 36: Test Case for Create Tour Package (Pass) Test Case ID: TC 11 Module Name: Create Tour Package Sub Module: Create Package Test Priority (Low/Medium/High): High Test Title: Creating package with the information. Description: Test the system' s creating tour package. Test Designed by: Anamika Test Designed date: 25/04/20 Test Executed by: Anamika Test Execution date: 25/04/20 Pre-conditions: The user has valid email, NID and password. The current email is sumona @gmail. com and password sumona. The system navigates to Create Event page. Fill in the information and click on the Create button. Step Test Steps Test Data Code Expected Actual Module Result Result Pass/Fail Navigate to 1 Create Event Click on Create Page Event Button Create Successfully Input Package Create Pass 2 information successfully. package. and it must be filled. Click on 3 Signup Button Post-conditions: The information stored in database and show successfully create tour package Table 37: Test Case for Create Tour Package (Fail) Test Case ID: TC 12 Module Name: Create Tour Package Sub Module: Create Package Test Priority (Low/Medium/High): High Test Title: Did not provide required information for creating event. Description: Test the system's creating package. Test Designed by: Anamika Test Designed date: 25 /04/ 20 Test Executed by: Anamika Test Execution date: 25 /04/ 20 Pre-conditions: The user has valid email, NID and password. The current email is sumona @gmail. com and password sumona. The system navigates to Create Event page. And click on the Create button. Step Test Steps Test Data Code Expected Actual Module Result Result Pass/Fail Navigate to 1 Create Event Click on Create Page Button Did not Input provide Creating is required deny. Fail 2 information and it must information. be filled. Click on 3 Signup Button Post-conditions: The information did not stored in database and show Error massage. 7.7.7 Test Case for Approve Tour Package Table 38: Test Case for Approve Tour Package (Pass) Test Case ID: TC 13 Module Name: Approve Tour Package Sub Module: Approve Package Test Priority (Low/Medium/High): High Test Title: Approve package with checking the information. Description: Test the system' s approved tour package. Test Designed by: Anamika Test Designed date: 26 /04/ 20 Test Executed by: Anamika Test Execution date: 26 /04/ 20 Pre-conditions: The user has valid email, NID and password. The current email is danamika @gmail. com and password danamika. The system navigates to Approve Event page. Check package and click on the Approved button. Step Test Steps Test Data Code Expected Actual Module Result Result Pass/Fail Navigate to 1 Approve Click on Event Page Approved Button Approved Input Package Successfully Pass 2 information successfully. Approved. and it must be filled. Click on 3 Signup Button Post-conditions: The information stored in database and show successfully approve tour package Table 39: Test Case for Approve Tour Package (Fail) Test Case ID: TC 14 Module Name: Approve Tour Package Sub Module: Approve Package Test Priority (Low/Medium/High): High Test Title: Did not check for approve tour event. Description: Test the system's approved tour package. Test Designed by: Anamika Test Designed date: 26/ 04/20 Test Executed by: Anamika Test Execution date: 26/ 04/20 Pre-conditions: The user has valid email, NID and password. The current email is danamika @gmail. com and password danamika. The system navigates to Approve Event page. And click on the Approved button. Step Test Steps Test Data Code Expected Actual Module Result Result Pass/Fail Navigate to 1 Approve Click on Event Page Approved Button Did not Input check tour Approve is Fail information package deny. 2 and it must information be filled. Click on 3 Signup Button Post-conditions: The information did not stored in database and show Error massage. 7.8 Test Report Generally, this is a communication to establish transparency to the QA team's activities of the day during the test cycle – includes both defect information and test case run information. Total unit of test case sample are 14. Some test cases are succeeding in first iteration and some are in second. The succession percent are shown in following table: Table 40: Test Report Number of Unit Test 100% Success in first Case iteration Less than 100% Total Succession % Total : 14 8 3 80% Total : 14 10 0 100% Chapter-8 Conclusion 8 CONCLUSION 8.1 Project Summary This task has been beginning from May. From that starting time I have to work difficult to recognize the requirement. After that I proposed a layout to them via assist of my supervisor. I started out to develop the challenge. From then I gradually expand the venture. I assume storing the statistics in database is very vital. That's why I did this first and made a courting with the tables. Before that I design the UI. This task's UI is very simple and smooth which may be very help for the user's revel in. Then I started coding and executing the assignment. If I did now not check this challenge, there' ll stay some bug on this challenge so that you can spoil the entire mission. 8.2 Limitations ❖ I did not use payment gateway. ❖ Email transformation. ❖ System process slow ❖ Not highly secure 8.3 Future Improvement This application avoids the manual work and the problems concern with it. Well I have worked hard in order to present the website. Still, I found out that the project can be done in a better way. Due to time and technology concern I am unable to deploy payment gateway other small features. For that reason, I am going to develop new features like following: ❖ Send Message, call on the Phone ❖ Send Notification to the mail ❖ Payment gateway References [1] About HTML & CSS methodology, available at < https://www.w3schools.com>; last accessed on 17.08.2019, Time: 6:15pm [2] About JavaScript methodology, available at < https://www.javascriptmancy.com >; last accessed on 25.08.2019, Time: 8:15pm [3] Template Choose, available at< https://colorlib.com/wp/templates/>; last accessed on 06.09.2019, Time: 9:30pm [4] About Bootstrap methodology, available at < https://getbootstrap.com >; last accessed on 25.09.2019, Time: 8:15pm [5] About database management, Available at< https:// https://www.sqlshack.com/overview-of-microsoft-sql-server-management- studio-ssms/ />; last accessed on 29.10.2019; Time: 1.00am [6] About c#, available at< https://www.w3schools.com/cs/>; last accessed on 06.11.2019; Time: 8.00pm [7] About ASP.NET MVC Framework, available at< https://www.tutorialspoint.com/mvc_framework/mvc_framework_architecture.htm>; last access on 05.12.2019; Time: 5.00 pm [8] Learn about Sequence Diagram, available at< https://www.geeksforgeeks.org/unified-modeling-language-uml-sequence-diagrams/ >; last access on 05.01.2020, Time: 9:40pm [9] Learn about Test Case,

available at< https://www.softwaretestinghelp.com/test-case-template-examples/ />; last accessed on 07.03.2020, Time: 8:00pm ©Daffodil International University i|Page ©Daffodil International University ii |Page ©Daffodil International University ©Daffodil International University iv|Page ©Daffodil International University v |Page ©Daffodil International University ©Daffodil International University ©Daffodil International University ix |Page ©Daffodil International University 1|Page ©Daffodil International University 2|Page ©Daffodil International University 3 |Page ©Daffodil International University 4 |Page ©Daffodil International University 5 |Page ©Daffodil International University 6 |Page ©Daffodil International University 7 |Page ©Daffodil International University 8 |Page ©Daffodil International University 9 |Page ©Daffodil International University 10 |Page ©Daffodil International University 11 |Page ©Daffodil International University 12 |Page ©Daffodil International University 13 |Page ©Daffodil International University 14 |Page ©Daffodil International University 15 |Page ©Daffodil International University 16 |Page ©Daffodil International University 17 |Page ©Daffodil International University 18 |Page ©Daffodil International University 19 |Page ©Daffodil International University 20 |Page ©Daffodil International University 21 |Page ©Daffodil International University 22 |Page ©Daffodil International University 23|Page ©Daffodil International University 24|Page ©Daffodil International University 25|Page ©Daffodil International University 26|Page ©Daffodil International University 27|Page ©Daffodil International University 28|Page ©Daffodil International University 29|Page ©Daffodil International University 30|Page ©Daffodil International University 31|Page ©Daffodil International University 32|Page ©Daffodil International University 33|Page ©Daffodil International University 34|Page ©Daffodil International University 35|Page ©Daffodil International University 36|Page ©Daffodil International University 37|Page ©Daffodil International University 38|Page ©Daffodil International University 39|Page ©Daffodil International University 40|Page ©Daffodil International University 41|Page ©Daffodil International University 42|Page ©Daffodil International University 43|Page ©Daffodil International University 44|Page ©Daffodil International University 45|Page ©Daffodil International University 46|Page ©Daffodil International University 47|Page ©Daffodil International University 48|Page ©Daffodil International University 49|Page ©Daffodil International University 50|Page ©Daffodil International University 51|Page ©Daffodil International University 52|Page ©Daffodil International University 53|Page ©Daffodil International University 54|Page ©Daffodil International University 55|Page ©Daffodil International University 56|Page ©Daffodil International University 57|Page ©Daffodil International University 58|Page ©Daffodil International University 59|Page ©Daffodil International University 60|Page ©Daffodil International University 61|Page ©Daffodil International University 62|Page ©Daffodil International University 63|Page ©Daffodil International University 64|Page ©Daffodil International University 65|Page ©Daffodil International University 66|Page ©Daffodil International University 67|Page ©Daffodil International University 68|Page ©Daffodil International University 69|Page ©Daffodil International University 70|Page ©Daffodil International University 71|Page ©Daffodil International University 72|Page ©Daffodil International University 73|Page ©Daffodil International University 74|Page ©Daffodil International University 75|Page ©Daffodil International University 76|Page ©Daffodil International University 77|Page ©Daffodil International University 78|Page ©Daffodil International University 79|Page ©Daffodil International University 80|Page