Section 1. Project Overview

**1.1 Project Description**

*Describe the approach the project will use to address the* ***business problem****, including summarizing how the project will deliver the expected* ***business outcomes*** *and performance objectives.*

⇒ \* we create a software program helps the tourism company to make it easy for user to find what hotel will stay in and types of tourism we have available.

\*We should know place of stay , number of passenger , time of travel and duration of stay.

\*We will contract with transportation companies as well as hotels and also a marketing company to create a web page for the system.

\*We facilitate the staff from the receptionist and also a tour guide with all the details of the work and the tourists, as well as the places of contracting with hotels and transport companies and everything about  
the system .

\*We provide mass tourism, inbound international tourism, outbound tourism, entertainment tourism, cultural tourism, religious tourism, therapeutic tourism…etc.

\* The system can be accessed by Web browser software on any platform: Windows, Mac , Android, etc.

**1.2 Project Scope**

*Describe the project scope by defining what the project will and will not accomplish. Provide a narrative or bulleted list of deliverables,* ***services****, and/or solutions expected as outcomes of the project.*

\*We need to program an application to make it easy for you to reach tourists.

\*We need to create a page on social media to facilitate knowledge of the system and follow up on .

\*A lot of places must also be provided for me to receive tourism, such as hotels and so on.

\*We should have a lot of branches inside the country and also a lot of hotels and transportation.

| **Project Includes** |
| --- |
| Provides knowledge of the most suitable location |
| User can pay accommodation cost online using credit card |
| Groups more than 5 persons provide cash back 10 % from budget for others |
| Offers other accommodation using software application |
| Suggest attending more than one type of tourism at the same time |
| Provides special transport for user suits number of group |

| **Project Excludes** |
| --- |
| If there are circumstances such as the spread of disease |
| Officers left work we need time to have others experience |
| Difference on manager and officers opinion, we will discuss every opinion and see the right |
| Political problems and wars |

**1.3 Assumptions**

*Describe any project assumptions related to business,* ***technology****,* ***resources****, scope, expectations, or* ***schedules****.*

| **Assumptions** |
| --- |
| Technology: \*we need about 3 PCs, with Memory 128 G, Ram 16 GB minimum and windows 10.  \*we need 2 routers with good speed of internet.  \*professional programmers in Java and Python language. |
| Resources: \*we need sponsor to give money.  \*Egyptian and foreign financial account.  \*public relations for marketing and advertising “marketing company”. |
| Scope: \*includes like payment is cash upon receipt.  \*excludes like paying online. |
| Expectation : \*the method of travel (flight, wild, …)  \*linking with country which stay in and travel.  \*assuming purpose of visit is divided |

**1.4 Constraints**

*Describe the limiting factors, or constraints, that restrict the project team’s options regarding scope, staffing, scheduling, and management of the project.*

| **Constraints** |
| --- |
| Not adapting to international crises |
| If there is capital that lack of capital will waste a large part of the project leads to its full |
| The weather factors |
| If the governing system of the project is a failure. |
| Staff can’t communicate |

**2.1 Project Life Cycle**

*Specify and describe life cycle model(s) that will be used for the project. If formal standards have been established at the organization or agency level, refer to the agency and/or organizational practices. In the description, include tailoring of any practices to accommodate specific project needs if applicable.*

⇒ planning: \*define and describe the problem in project

\*define the project scope.

\*determine the assumption on which the project is based on.

\*the constraints that the project operates.

Analysis: \*data \*process

\*The project includes a group of tourism, whether religious, recreational, therapeutic, etc.   
 \*The customer makes a reservation for the tourist he wants through a website

\*Project requirements: hotels, tour guides, marketing company and buses

\*Priority requirements: hotels, buses, tour guides, and a marketing company can be postponed

Design: \*interface \*data base (My SQL Server). \*design network diagram \*prototype

Implementation: \*the code which uses Java or python language.

Testing: \*test the code then show result.

**2.2 Methods, Tools, and Techniques**

*Identify the method(s), standards, policies, procedures,* ***programming language****(s), reusable code repositories, and other notations,* ***tools****, and* ***techniques*** *that may be used to develop and/or deploy the products and/or services for the project.*

⇒ \*programming language : java and python.

\*reusable code repositories : database on My SQL.

\* tools : hard disks , flash memory , files , advertisement.

\*techniques : general server for company , advertise the features on social media , sponsor to improve.

**2.3 Estimation Methods and Estimates**

*Describe the methods used to estimate the project level of effort, schedule, and budget. Include tools and techniques used to obtain the estimates in the description. Provide estimates for the project dimensions (effort, schedule, and budget), and identify the source or basis of the estimates and the level of uncertainty and risk associated with the estimates.*

| **Estimation Methods and Estimates** | |
| --- | --- |
| Description | [ **Best** **/ Most Likely** / **Worst** ] |
| Effort in person-months or person-hours | months |
| Schedule in calendar months | 6 months |
| Budget in dollars per month | 50000$ |
| Level of Uncertainty | 20% |

**2.4 Schedule Allocation**

*To highlight major accomplishments as initially planned in the project schedule, identify major project milestones and planned completion dates for delivery. This list should reflect products and/or services delivered to the end user as well as the delivery of key project management or other project-related work products.*

| **Major Milestone/Deliverable** | **Planned Completion Date** |
| --- | --- |
| **Define and describe problem** | **2 days** |
| **Define the project scope ”analyst ,**  **Microsoft project”** | **3 days** |
| **Collect data and transfer it information**  **“analyst , questioner method”** | **6 days** |
| **Define system requirement**  **“analyst , computer tool”** | **6 days** |
| **Prototype “computer tool”** | **5 days** |
| **Design database , interface , network “designer”** | **10 days** |
| **Put software component** | **4 days** |
| **Test and train system** | **15 days** |
| **The constrains** | **7 days** |
| **Life cycle** | **21 days** |

**2.5 Resource Allocation**

*Identify the total number of resources (e.g.,* ***personnel****,* ***equipment****,* ***facilities****) that will be needed for the project. For personnel, include each of the defined project organizational roles in the resources and describe skill set requirements when appropriate. Identify the estimated timeframe (****start to finish****) for project commitment.*

| **Resource** | **Total** | **Skill Set Requirements** | **Timeframe** |
| --- | --- | --- | --- |
| **PCs** | **6** | **Memory 128 GB , windows 10** | **10** |
| **programmer** | **3** | **Has Java and Python language** | **9** |
| **routers** | **3** | **Its speed is good** | **7** |
| **sponsor** | **2** | **Has enough money** | **9** |
| **analyst** | **3** | **Can analyze well** | **5** |

**2.6 Budget Allocation**

*Identify the budget amount allocated by key budget category (e.g., project milestone or standard cost categories such as personnel, travel), including the time period that may constrain use of the budget.*

| **Key Budget Category** | **Budget Amount** | **Time Period** |
| --- | --- | --- |
| **Define and describe problem** | **5000** | **Weeks** |
| **Define the project scope** | **7000** | **Weeks** |
| **Collect data and transfer it information** | **7000** | **Weeks** |
| **Define system requirement** | **5000** | **Weeks** |
| **Prototype** | **5000** | **Weeks** |
| **Design database , interface , network** | **10000** | **Weeks** |
| **Put software component** | **7000** | **Weeks** |
| **Test , train , and install system** | **6000** | **Months** |
| **Assumptions** | **5000** | **Weeks** |
| **Constrain** | **10000** | **Mouths** |
| **Life cycle** | **20000** | **Months** |

Section 3. Risk Management

*Based on project-specific methods, describe how risks will be analyzed to establish the project exposure for each risk and to determine which risks are the most important ones to address.*

|  |  |  |  |
| --- | --- | --- | --- |
| **Risk Description** | **Probability** | **Impact** | **Strategy** |
| *Cost Estimates Unrealistic* | Low | High | *Included in project plan, subject to amendment as new details regarding project scope are revealed* |
| *Time Estimates Unrealistic* | Low | Low | Job is done at maximum speed |
| *Team Size* | Low | Low | Officer can take risk in place |
| *Project Scope Creep* | High | High | *Defined in project plan, reviewed by Project Manager and Steering Committee to prevent scope creep* |
| *Team Members Unknowledgeable of Business* | Low | High | Officers look forward to providing all information to finish the work |
| *Available documentation* | High | High | Officers complete all required documents |
| *Narrow Knowledge Level of Users* | High | Low | Users may get information from us |

# Section 4. Appendices

*Attach the required deliverables and any other relevant information.*

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