**Software Development Plan Template**

**TITLE PAGE CONTENT**

**Guide Me**

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1.0.0

**Presented To:**

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**REVISION HISTORY**

| **Date** | **Author** | **Distributed to** | **Version** | **Description** |
| --- | --- | --- | --- | --- |
| DD\ MM\YYYY | name | who | Matches title page | Brief description of change |

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**1. PRODUCT DESCRIPTION**

The project is use to guide tourist in Luxor city by butting the app in smart screens in most of famous places like train station , airport and museum

**2. TEAM DESCRIPTION**

We are messing a hardware in our team

|  |  |
| --- | --- |
| **Team members** | **skills** |
| **Mohamed Gamal** | **Database and back end** |
| **Mohamed Osama** | **Front and back end** |
| **Yousef Ibrahim** | **Front end** |
| **Mahmoud Hagag** | **Back end and data base** |
| **Ahmed Mohamed** | **Ai** |
| **Abdelrahman Ahmed** | **Ai** |

**3. SOFTWARE PROCESS MODEL DESCRIPTION**

We chose agile to use in our app for its easy to change anything in our application

**4. PRODUCT DEFINITION**

Describe the users and user environment.

**Context Diagram**

Defines the scope of your system - what is inside the system and what is outside the system. High level information flow between the system and the outside users or other systems (personas)

**Personas**

Below is a brief description of those people outside the system that the system interfaces with.

**User Stories**

|  |  |  |
| --- | --- | --- |
| Title:  view a map of the city with points of interest. | Priority:  high | Estimate:  5days |
| User story:  As a tourist using the application, I want to be able to view a map of the city with points of interest, so that I can easily navigate the city and find interesting places to visit. The map should show the location of popular tourist attractions, historical sites, restaurants, and shops. | | |
| Acceptance criteria:  -User can view a map of the city with markers for points of interest.  -User can click on a marker to view more information about the point of interest, including its name, address, description, and ratings.  -User can filter the markers based on category and distance. | | |

|  |  |  |
| --- | --- | --- |
| Title:  recommendations for places to visit. | Priority:  Medium | Estimate:  3days |
| User story:  As a tourist using the application, I want to be able to get recommendations for places to visit, so that I can discover new and interesting places in the city. The recommendations should be based on my preferences and past behavior. | | |
| Acceptance criteria:  -User can provide their preferences for categories of places to visit (e.g., historical sites, museums, parks, etc.).  -User can view a list of recommended places to visit based on their preferences and past behavior.  -Recommendations should be sorted by relevance and popularity.  -User can click on a recommendation to view more information about the place, including its name, address, description, and ratings. | | |

|  |  |  |
| --- | --- | --- |
| Title:  chat with a virtual assistant to get help | Priority:  High | Estimate:  9days |
| User story:  As a tourist using the application, I want to be able to chat with a virtual assistant to get help, so that I can easily find the information I need and get assistance with any issues I encounter. | | |
| Acceptance criteria:  -User can access the chatbot from the main menu of the application.  -Chatbot should be able to answer common questions about the city, such as information about tourist attractions, transportation, and restaurants.  -Chatbot should be able to understand and respond to natural language queries.  -If chatbot is unable to answer a question, it should escalate the query to a human agent.  -User can rate the chatbot's performance and provide feedback. | | |

|  |  |  |
| --- | --- | --- |
| Title:  manage the content and settings of the application. | Priority:  High | Estimate:  6days |
| User story:  As an administrator using the application, I want to be able to manage the content and settings of the application, so that I can keep the information up to date and respond to user feedback. | | |
| Acceptance criteria:  -Administrator can access a web-based dashboard to manage the application.  -Administrator can add, edit, and delete points of interest and their associated data (e.g., name, description, images, ratings).  -Administrator can view user feedback and ratings for the application.  -Administrator can configure application settings, such as the language, currency, and categories of points of interest.  -Dashboard should include analytics and reports about the usage and performance of the application. | | |

**High Level Use Cases**

Defines the high level user stories for the product. Goal is to paint a picture of the product, not define the whole solution. Includes diagram and use case descriptions.

**Use Case Descriptions**

Defines the high level descriptions

Be sure to the textual use case description consists of 6 parts:

1. **Unique name**
2. **Participating actors**
3. **Entry conditions**
4. **Exit conditions**
5. **Flow of events: 5 - 7 steps describing the Happy Path**
6. **Special requirements.**

Below are the high level use cases for the Application, based on the above use case diagram.

**5. USER EXPERIENCE WIREFRAMES**

Initial prototype screens to validate initial understanding of the product.

**6. PROJECT ORGANIZATION**

Breakdown of major tasks and schedule

**Matrix of Responsibilities**

Defines the high level which team members are responsible for which tasks

**PERT / Gantt Chart**

First cut at schedule

**7. VALIDATION PLAN**

**Test Strategy**

What is the definition of done?

What does success look like?

**8. FEASIBILITY STUDY**

What are the known risks and how will they be handled?

**Risk Identification**

Description of the risks

**Risk Prioritization**

Prioritized list (biggest risk -> lowest risk)

**Risk Mitigation**

How will risk factors be addressed? By when?

What are you going to prototype?

**9. CONFIGURATION AND VERSION CONTROL**

Specify the process and attributes for version control for all project and product artifacts

**10. TOOLS**

Provide a list of tools required for the project and their use

**11. ARCHITECTURE**

List of hardware or other subsystems required for the product.