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INTRODUCTION

Group Members:

* Basit Iqbal (Fa21-bse-050)

Project Name:

* Saving Bot

Course Name:

* Software Project Management

Submitted to:

* Sir Syed Shahab Zarin

University:

* Comsats University Islamabad Abbottabad Campus

Submission Date:

* 13th June 2024

Assignment Number:

* Assignment 02

**Question:**Identify the risks in your project and also do the SWAT analysis of your project?

**Answer:**

**Risk Identification:**

|  |  |  |
| --- | --- | --- |
| ****SNO**** | Risk Type | Potential Indicators |
| 1 | |  |  | | --- | --- | | Technology |  | |  **Compatibility Issues:** Potential problems with ensuring the app runs smoothly on both iOS and Android platforms.   **Performance Issues:** Slow image processing times, which could degrade user experience |
| 2 | |  |  | | --- | --- | | People |  | |  **Team Turnover:** High turnover rates among team members could disrupt project continuity.   **Training and Motivation:** Insufficient training and low motivation may lead to lower productivity and quality. |
| 3 | |  |  | | --- | --- | | Organizational |  | |  **Goal Alignment:** Misalignment between project objectives and overall university guidelines or departmental strategies.   **Approval Delays:** Bureaucratic delays in getting project approvals, which could slow down progress |
| 4 | |  |  | | --- | --- | | Tools |  | |  **Development Environment:** Challenges in setting up and maintaining the development environment.   **Tool Support:** Lack of adequate support for the tools being used, which could cause delays and technical issues. |
| 5 | |  |  | | --- | --- | | Requirements |  | |  **Ambiguous Requirements:** Unclear user requirements that might lead to incorrect feature implementations.   **Conflicting Requirements:** Different stakeholders providing conflicting requirements, making it difficult to prioritize features. |

**SWOT Analysis**

**Strengths:**

* **Innovative Use of AI:** Utilizes advanced AI for object detection, offering a distinct advantage over traditional comparison tools.
* **Multi-Platform Availability:** Cross-platform design ensures accessibility on both iOS and Android devices.
* **High User Value:** Addresses significant user pain points in online shopping, providing a highly valuable service.

**Weaknesses:**

* **High Development Costs:** Requires substantial investment for development and ongoing maintenance.
* **User Privacy Concerns:** Handling of user-uploaded images may raise significant privacy issues.
* **Technical Limitations:** Potential inaccuracies in image recognition, especially for items with subtle differences.

**Opportunities:**

* **Market Demand:** Increasing consumer demand for convenient and efficient online shopping solutions.
* **Advancements in AI:** Continuous improvements in AI can further enhance the app’s performance and features.
* **Global Reach:** Expanding to international markets can significantly boost the user base and revenue potential.

**Threats:**

* **Regulatory Changes:** Evolving data privacy laws could impact how data is collected and used.
* **Dependency on Internet:** Requires stable internet access, which may limit usability in areas with poor connectivity.
* **Negative User Feedback:** Initial bugs or inaccuracies could result in negative reviews, impacting user adoption.

SWOT analysis Table:

|  |  |
| --- | --- |
| SWOT Category | Details |
| Strength | 1. Innovative Use of AI 2. Multi-Platform Availability 3. High User Value. |
| Weaknesses | 1. High Development Cost 2. User Privacy Concern 3. Technical Limitations |
| Opportunities | 1. Market Demand 2. AI & ML Advancement 3. Global Research |
| Threats | 1. Regulatory Changes 2. Dependency on Internet Connectivity 3. Negative User Feedback |

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*The End……*😊