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# **Project Title: Software Development and System Upgrade**

# **Dear apprentices please:**

# **Carefully analyze the tables and the tasks within them.**

# **Create a glossary with the words you do not know from the tables.**

# **Based on this information, assign the corresponding tittle to each table. (1-10)**

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**Objective:**

Develop and upgrade a robust software system for efficient data management and user interaction.

**1.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

| **Tasks** | **Description** |
| --- | --- |
| Conduct thorough analysis of user requirements | Determine key features and functionalities |
| Identify potential drawbacks in the existing system | Address existing issues |

**2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

| **Tasks** | **Description** |
| --- | --- |
| Develop a new application with enhanced features | Ensure compatibility with the latest technology standards |

**3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

| **Tasks** | **Description** |
| --- | --- |
| Implement secure login system | Control access to the software |
| Consider incorporating certification mechanisms | Validate user competency |

**4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

| **Tasks** | **Description** |
| --- | --- |
| Design structured database | Organize and store information efficiently |
| Integrate the software with other systems | Ensure seamless data flow |

**5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

| **Tasks** | **Description** |
| --- | --- |
| Implement regular backup procedures | Prevent data loss |
| Provide clear instructions for users | Guide on software maintenance |

**6. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

| **Tasks** | **Description** |
| --- | --- |
| Optimize software for efficient bandwidth usage | Especially for remote users |
| Monitor the network for potential issues | Identify and solve data transfer problems |

**7. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

| **Tasks** | **Description** |
| --- | --- |
| Conduct rigorous testing | Identify and resolve software bugs |
| Create a feedback mechanism for users | Quick bug resolution |

**8. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

| **Tasks** | **Description** |
| --- | --- |
| Plan and execute system upgrade | Incorporate latest software trends |
| Streamline software by reducing unnecessary functionalities | Improve overall efficiency |

**9. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

| **Tasks** | **Description** |
| --- | --- |
| Provide clear instructions for software use | Guide users on installation and operation |
| Consider offering training sessions | Help users familiarize themselves with new features |

**10. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

| **Tasks** | **Description** |
| --- | --- |
| Implement security measures | Protect sensitive data |
| Test software in a controlled environment | Ensure stability before deployment |

**2. Software Development:**

**3.Access and Certification:**

**6.Bandwidth Optimization:**

**7.Bug Resolution:**

**4.Database and Integration:**

**8.System Upgrade:**

**9.User Instructions and Training:**

**5.Backup and Maintenance:**

**10.Security and Stability:**

**1.Requirements Analysis:**

**4. Write a short paragraph in which you had to follow the above steps and outline the steps**

**you took to achieve a successful outcome. You can see an example below.**

I led a project to improve our software and systems. We fixed problems, updated technology, and made the program better. Key steps included secure login, organizing data, and improving remote access. We also upgraded our systems, fixed bugs, and trained users.

The project consisted of developing new software according to user requirements. A detailed analysis was carried out, the application was developed with improvements and security measures were implemented, achieving a successful result.