SOFE 3490: Software Project Management

Lab 4

Course Project: **Music Hub**

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**Task 1: Risks and counter measures as tasks**

The following table lists the risks, countermeasures and tasks for project risks:

|  |  |  |
| --- | --- | --- |
| **Risk** | **Counter measure** | **Tasks** |
| Adoption of new software tools may slow down the project implementation | Contact subject matter experts for the tools being used to train developers | * Contact trainers * Arrange training sessions |
| Burnout during project | Allow enough time between milestones to allow for proper work-life balance | * No specific tasks |
| Server shutdowns | Create advanced notices / perform routine maintenance and testing on backup servers | * Install maintenance and testing servers |
| Customer opposition to final product | Allow the customer to be a part of the development process through continued interactions during project phases | * No specific tasks |
| Hardware faults and errors during development and deployment | Allow continuous periodic backups as well as spare hardware to balance traffic | * Install backup servers |
| Project Delayed | Reduce scope creep, monitor tasks and communicate possible delays in advance | * No specific tasks |

**Task 2: Addition of resources (project members to all tasks):**

The following table shows how project members are assigned to each task identified in labs 3 and 4 (task 1):

| **Task** | **Resource** |
| --- | --- |
| Hardware selection (for development and server deployments) | * Ryuji Komai * Umar Ehsan |
| Software selection (development environment, libraries, testing framework) | * Diba Shojaei * Ryuji Komai * Umar Ehsan |
| Recruiting Staff | * Umar Ehsan * Diba Shojaei |
| Hardware installation | * Ryuji Komai |
| Web application coding | * Umar Ehsan |
| Mobile application coding | * Diba Shojaei |
| Database installation | * Ryuji Komai |
| Unit testing | * Ryuji Komai * Umar Ehsan * Diba Shojaei |
| Integration testing | * Ryuji Komai * Umar Ehsan   Diba Shojaei |
| Documentation and development of user support manuals | * Ryuji Komai * Umar Ehsan * Diba Shojaei |
| User Acceptance Testing | * Ryuji Komai |
| Training and Deployment | * Diba Shojaei |
| Contact trainers | * Umar Ehsan |
| Arrange training sessions | * Umar Ehsan |
| Install maintenance and testing servers | * Ryuji Komai * Umar Ehsan   Diba Shojaei |
| Install backup servers | * Ryuji Komai * Umar Ehsan * Diba Shojaei |

**Task 3: MS Project:**

The MS Project “.mpp” file is attached to with this document.