**Risk Register**

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| --- | --- | --- | --- | --- |
| **Risk Description** | **Likelihood** | **Impact** | **How to avoid** | **What to do if happen** |
| **Security risk of the data being compromised.** | **3** | **3** | **Sign an agreement with the service provider and make sure that security measures has taken place for the data. Create a backup database.** | **Make a complain or a sue to the service provider to ask to fix the problem. Find other service provider.** |
| **Risk of the server to be vulnerable** | **2** | **5** | **Make sure that security measures has taken place. Make an agreement to have insurance for this kind of event.** | **Create a new server. Use backup server.** |
| **Risk of having limited database if using the service provider for free** | **4** | **2** | **Make a premium payment to the service provider to have unlimited space** | **Make payment to increase database size.** |
| **Risk of having high cost to maintain the database** | **3** | **4** | **Make sure it is only used for small project.** | **Use other type of service provider that provide free database.** |
| **Risk of counting the wrong number of intruders detected** | **2** | **5** | **Make sure the coding structure and language is correct. Have a programmer to check on the code daily.** | **Debug the code.** |
| **Risk of having a defect equipment to sense the motion.** | **2** | **3** | **Give a good care to the equipment** | **Get a new one. Try to fix the equipment.** |
| **Risk of having an illegal location of data** | **2** | **5** | **Investigate the location of the data being stored and make sure the location are legalize** | **Pay a fine.** |
| **Risk of having bad coding structure for the Intruder counter which causes long runtime of the application.** | **2** | **3** | **Have multiple programmers to program different ways and check the runtime of the application.** | **Change the coding structure to different methods.** |
| **Risk of having virus on the application.** | **3** | **5** | **Make sure that the application is protected by antivirus** | **Clean the application.** |
| **Risk of having bad interface design of the web application** | **3** | **2** | **Always have a group meeting to make sure that the interface is good. Have users to use the beta version of the application to have comments.** | **Change the design. Get comments from user and implement the design based on the comments.** |

**Likelihood**

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| --- | --- |
| **Probability** | **Description** |
| **5** | **91-100% or very likely to occur** |
| **4** | **61-90% or likely to occur** |
| **3** | **41-60% or May occur about half of the time** |
| **2** | **11-40% or Unlikely to occur** |
| **1** | **0-10% or Very unlikely to occur** |

**Impact**

|  |  |
| --- | --- |
| **Impact** | **Description** |
| **5** | **Very High** |
| **4** | **High** |
| **3** | **Moderate** |
| **2** | **Low** |
| **1** | **Very Low** |