**ACTIVITY LIST & ACTIVITY ATTRIBUTES**

**ONLINE SHOPPING**

**I. Activity List**

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| **Activity List** | | | |
| **Project: Online Shopping** | | | **Date: 06/02/2017** |
| **Activity ID No.** | **Activity Name** | **Description of Work** | **Responsibility** |
| 001 | Setting out detailed project goals | Defines the project's outcome and the steps required to achieve that | Hung is responsible for this activity |
| 002 | Identifying the main stakeholders | Find the stakeholders, involve them, and keep them engaged with your project | Hung is responsible for this activity |
| 003 | Define scope statement | here | Hung has primary responsibility and Hoang is the alternate |
| 004 | Outlining the project's deliverables | here | Hung has primary responsibility and Hoang is the alternate |
| 005 | Identifying the constraints | here | Hung has primary responsibility and Hoang is the alternate |
| 006 | Assumptions and key success factors | here | Hung has primary responsibility and Hoang is the alternate |
| 007 | Defining the boundaries of a project | here | Hung has primary responsibility and Hoang is the alternate |
| 008 | Determine Project Team | This activity is the construction team based on the scope and requirements of the project | Hung is responsible for this activity |
| 009 | Project Team Kickoff Meeting | This activity is to disseminate the project to the members participating, describes an overview and preliminary of project and give some project requirements | Hung has primary responsibility and all team members are the alternate |
| 010 | List works need to do | Make a list of to-do items based on selected software development model | Hung has primary responsibility and Khoi is the alternate |
| 011 | Create WBS Dictionary | A detailed description of works | Khoi is responsible for this activity |
| 012 | Create Activity and Activity Attributes List | list of tasks to be done to complete works that listed in WBS | Khoi is responsible for this activity |
| 013 | Setting out the phases | This activity consists setting out the phases, activities, and tasks needed to deliver the project. The timeframes required along with the resources and milestones | Hung has primary responsibility and Khoi is the alternate |
| 014 | Define tasks needed to deliver the project | Lists of tasks to be done from the initiate until delivery | Hung has primary responsibility and Khoi is the alternate |
| 015 | Project Handover Meeting | This activity is describing in detail the requirements and schedule tasks of the project from there assigning tasks to members | Hung has primary responsibility and all team members are the alternate |
| 016 | Set up computer, modem, router | This activity is purchasing and setting of equipment necessary for project development | Hung has primary responsibility and all team members are the alternate |
| 017 | Install DBMS, Design tools, IDE, Test tools | This activity is purchasing and setting of software necessary for project development | Hung has primary responsibility and all team members are the alternate |
| 018 | Layout functional and non-functional requirements | Defines a function of a system or its component. Specifies criteria that can be used to judge the operation of a system | Khoi is responsible for this activity |
| 019 | List use cases | List of actions defining the interactions between a role and a system, to achieve a goal | Khoi is responsible for this activity |
| 020 | Define software architecture | Describe structures of a software system, the discipline of creating such structures | Khoi is responsible for this activity |
| 021 | Verify & Validate Software Requirement Specification | This activity is to analysis and evaluation of the software requirements specification has been described, might modified if there is unsuitable description | Hung responsible for this activity |
| 022 | System architectural design | Defines the structure, behavior, and more views of a system | Son is responsible for this activity |
| 023 | System logical design | Describes the relationship of the entities | Son is responsible for this activity |
| 024 | System physical design | Describes circuit into the physical layout, which describes the position of cells and routes for the interconnections between them. | Son is responsible for this activity |
| 025 | Define tables of database | Described table, the values and the roll of those in the table | Son is responsible for this activity |
| 026 | Set up table relationships | Describes the relationship between the tables in the database | Son is responsible for this activity |
| 027 | Design Mockup | This activity is to design an intuitive interface for users to interact | Hoang is responsible for this activity |
| 028 | Design Logo | This activity is to design an intuitive interface for users to interact | Hoang is responsible for this activity |
| 029 | Coding database | Build databases based on existing design | Hoang is responsible for this activity |
| 030 | Coding view page | Programming user interface components | Khoi is responsible for this activity |
| 031 | Coding controller | Programming business process components | Son is responsible for this activity |
| 032 | Test Plan | This activity is describing the scope, approach, resources and schedule of intended test activities. It identifies amongst others test items, the features to be tested, the testing tasks, who will do each task, degree of tester independence, the test environment, the test design techniques and entry and exit criteria to be used | Manh is responsible for this activity |
| 033 | Unit Test | Test each function of code | Son is responsible for this activity |
| 034 | Integration Test | This activity is test all modules are combined or not combined with other work done to achieve results such as documents required have been identified | Manh is responsible for this activity |
| 035 | System Test | This activity is to evaluate the system's compliance with its specific requirements | Manh is responsible for this activity |
| 036 | Deploy Server | This activity is installing the software on the server | Hoang is responsible for this activity |
| 037 | User Training | This activity includes training user and collect review of them | Manh is responsible for this activity |
| 038 | Configuring network settings | Ensuring that users can access from client | Hoang is responsible for this activity |
| 039 | Set appropriate firewall rules | Ensure the security | Hoang is responsible for this activity |
| 040 | Training employee | here | Hung is responsible for this activity |
| 041 | Assign Tasks | here | Hung is responsible for this activity |
| 042 | Control employee’s performance | here | Hung is responsible for this activity |
| 043 | Estimate and pay cost | here | Hung is responsible for this activity |
| 044 | Create balance sheet | here | Hung is responsible for this activity |
| 045 | Schedule tasks | here | Hung is responsible for this activity |
| 046 | Control progress | here | Hung is responsible for this activity |
| 047 | Research strategy | Choose appropriate market survey strategy | Hung has primary responsibility and all team members are the alternate |
| 048 | Software development model | Choose software development models appropriate to the scale of the project and team | Hung has primary responsibility and all team members are the alternate |
| 049 | Quality assurance | Ensure the criteria for the quality of products before deliver | Hung is responsible for this activity |
| 050 | Marketing |  | Hung is responsible for this activity |
| 051 | Project Status Meetings | Hold periodical meetings to check progress and evaluate the elements arising during the implementation of the project to avoid risks | Hung has primary responsibility and all team members are the alternate |
| 052 | Minutes of Meetings | Record the important contents of each meeting | Hung has primary responsibility and all team members are the alternate |
| 053 | Control Overfund | here | Hung is responsible for this activity |
| 054 | Control Delay progress | here | Hung is responsible for this activity |
| 055 | Control Lack of skills and experience | here | Hung is responsible for this activity |
| 056 | Control Project changes | here | Hung is responsible for this activity |
| 057 | Closeout meeting | This activity includes review statement of work, summarize what was done, promote the advantages and disadvantages need to be overcome | Hung has primary responsibility and all team members are the alternate |
| 058 | Document Lessons Learned | This activity is to record the lessons gained through projects | Hung has primary responsibility and all team members are the alternate |
| 059 | Update Files/Records | This activity is last edit documents, supplement necessary documents | Hung has primary responsibility and all team members are the alternate |
| 060 | Archive Files/Documents | This activity is to archive all necessary files and documents | Hung has primary responsibility and all team members are the alternate |

**II. Activity Attributes List**

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| **Activity Attributes** | | |
| **Project:** **Online Shopping** | | **Date:** **06/02/2017** |
| **Activity ID:** 001 | **Activity:** Setting out detailed project goals | **WBS No:** 1.1.1 |
| **Activity Description:** Defines the project's outcome and the steps required to achieve that | | |
| **Activity Responsibility:** Hung is responsible for this activity | **Resources and Skill Sets Required:** here | |
| **Activity Predecessors:** Before this activity is analyzing and evaluating the feasibility of the project stage | **Predecessor Scheduling:** This activity must start once the predecessor is complete: Finish-Start Relationship. | **Predecessor Dependency:**  The project is feasible and can be implemented |
| **Activity Successors:**  Identifying the main stakeholders will begin upon completion of this activity. | **Successor Scheduling:** Once this activity is complete the planning phase is implemented.  Finish-Start relationship. | **Successor Dependency:**  Clear objectives and appropriate |
| **Type of Effort:** *duration ở đây* | | |
| **Location of Activity:** All work associated with this activity will occur at head office | | |
| **Activity Assumptions:** The project is feasible and can be implemented | | |
| **Activity Constraints:** *yêu cầu hoàn thành theo như thời gian duration* | | |
|  | | |
| **Activity ID:** 002 | **Activity:** Identifying the main stakeholders | **WBS No:** 1.1.1 |
| **Activity Description:** Find the stakeholders, involve them, and keep them engaged with your project | | |
| **Activity Responsibility:** Hung is responsible for this activity | **Resources and Skill Sets Required:** here | |
| **Activity Predecessors:** Before this activity is Setting out detailed project goals stage | **Predecessor Scheduling:** This activity must start once the predecessor is complete: Finish-Start Relationship. | **Predecessor Dependency:**  Identified specific goal |
| **Activity Successors:** Define scope statement will begin upon completion of this activity. | **Successor Scheduling:**  Once this activity is complete the successor is implemented. Finish-Start relationship. | **Successor Dependency:**  Identified the stakeholder |
| **Type of Effort:** *duration ở đây* | | |
| **Location of Activity:** All work associated with this activity will occur at head office | | |
| **Activity Assumptions:** Identified specific goal | | |
| **Activity Constraints:** *yêu cầu hoàn thành theo như thời gian duration* | | |
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| **Activity ID:** 003 | **Activity:** Define scope statement | **WBS No:** 1.1.1 |
| **Activity Description:** copy descript từ trên activity list xuống | | |
| **Activity Responsibility:** Hung has primary responsibility and Hoang is the alternate | **Resources and Skill Sets Required:** here | |
| **Activity Predecessors:** Before this activity is Identifying the main stakeholders stage | **Predecessor Scheduling:** This activity must start once the predecessor is complete: Finish-Start Relationship. | **Predecessor Dependency:**  Identified the stakeholder |
| **Activity Successors:**  Outlining the project's deliverables will begin upon completion of this activity. | **Successor Scheduling:**  Once this activity is complete the successor is implemented. Finish-Start relationship. | **Successor Dependency:**  Project charter approved |
| **Type of Effort:** *duration ở đây* | | |
| **Location of Activity:** All work associated with this activity will occur at head office | | |
| **Activity Assumptions:** Identified the stakeholder | | |
| **Activity Constraints:** *yêu cầu hoàn thành theo như thời gian duration* | | |
|  | | |
| **Activity ID:** 004 | **Activity:** Outlining the project's deliverables | **WBS No:** 1.2.1 |
| **Activity Description:** copy descript từ trên activity list xuống | | |
| **Activity Responsibility:** Hung has primary responsibility and Hoang is the alternate | **Resources and Skill Sets Required:** here | |
| **Activity Predecessors:** Before this activity is Define scope statement stage | **Predecessor Scheduling:** This activity must start once the predecessor is complete: Finish-Start Relationship. | **Predecessor Dependency:**  Project charter approved |
| **Activity Successors:**  Identifying the constraints will begin upon completion of this activity. | **Successor Scheduling:**  Once this activity is complete the successor is implemented. Finish-Start relationship. | **Successor Dependency:** |
| **Type of Effort:** *duration ở đây* | | |
| **Location of Activity:** All work associated with this activity will occur at head office | | |
| **Activity Assumptions:** Project charter approved | | |
| **Activity Constraints:** *yêu cầu hoàn thành theo như thời gian duration* | | |
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| **Activity ID:** 005 | **Activity:** Identifying the constraints | **WBS No:** 1.2.1 |
| **Activity Description:** copy descript từ trên activity list xuống | | |
| **Activity Responsibility:** Hung has primary responsibility and Hoang is the alternate | **Resources and Skill Sets Required:** here | |
| **Activity Predecessors:** Before this activity is Outlining the project's deliverables stage | **Predecessor Scheduling:** This activity must start once the predecessor is complete: Finish-Start Relationship. | **Predecessor Dependency:** |
| **Activity Successors:**  Assumptions and key success factors will begin upon completion of this activity. | **Successor Scheduling:**  Once this activity is complete the successor is implemented. Finish-Start relationship. | **Successor Dependency:** |
| **Type of Effort:** *duration ở đây* | | |
| **Location of Activity:** All work associated with this activity will occur at head office | | |
| **Activity Assumptions:** | | |
| **Activity Constraints:** *yêu cầu hoàn thành theo như thời gian duration* | | |
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| **Activity ID:** 006 | **Activity:** Assumptions and key success factors | **WBS No:** 1.2.1 |
| **Activity Description:** copy descript từ trên activity list xuống | | |
| **Activity Responsibility:** Hung has primary responsibility and Hoang is the alternate | **Resources and Skill Sets Required:** here | |
| **Activity Predecessors:** Before this activity is Identifying the constraints stage | **Predecessor Scheduling:** This activity must start once the predecessor is complete: Finish-Start Relationship. | **Predecessor Dependency:** |
| **Activity Successors:**  Defining the boundaries of a project will begin upon completion of this activity. | **Successor Scheduling:**  Once this activity is complete the successor is implemented. Finish-Start relationship. | **Successor Dependency:** |
| **Type of Effort:** *duration ở đây* | | |
| **Location of Activity:** All work associated with this activity will occur at head office | | |
| **Activity Assumptions:** | | |
| **Activity Constraints:** *yêu cầu hoàn thành theo như thời gian duration* | | |
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| **Activity ID:** 007 | **Activity:** Defining the boundaries of a project | **WBS No:** 1.2.1 |
| **Activity Description:** copy descript từ trên activity list xuống | | |
| **Activity Responsibility:** Hung has primary responsibility and Hoang is the alternate | **Resources and Skill Sets Required:** here | |
| **Activity Predecessors:** Before this activity is Assumptions and key success factors stage | **Predecessor Scheduling:** This activity can be implemented simultaneously with predecessor.  Start-Start relationship. | **Predecessor Dependency:** |
| **Activity Successors:**  Determine Project Team will begin upon completion of this activity. | **Successor Scheduling:**  Once this activity is complete the successor is implemented. Finish-Start relationship. | **Successor Dependency:** |
| **Type of Effort:** *duration ở đây* | | |
| **Location of Activity:** All work associated with this activity will occur at head office | | |
| **Activity Assumptions:** | | |
| **Activity Constraints:** *yêu cầu hoàn thành theo như thời gian duration* | | |
|  | | |
| **Activity ID:** 008 | **Activity:** Determine Project Team | **WBS No:** 1.2.2 |
| **Activity Description:** This activity is the construction team based on the scope and requirements of the project | | |
| **Activity Responsibility:** Hung is responsible for this activity | **Resources and Skill Sets Required:** here | |
| **Activity Predecessors:** Before this activity is Defining the boundaries of a project stage | **Predecessor Scheduling:** This activity must start once the predecessor is complete: Finish-Start Relationship. | **Predecessor Dependency:** |
| **Activity Successors:**  Project Team Kickoff Meeting will begin upon completion of this activity. | **Successor Scheduling:**  Once this activity is complete the successor is implemented. Finish-Start relationship. | **Successor Dependency:** |
| **Type of Effort:** *duration ở đây* | | |
| **Location of Activity:** All work associated with this activity will occur at head office | | |
| **Activity Assumptions:** | | |
| **Activity Constraints:** *yêu cầu hoàn thành theo như thời gian duration* | | |
|  | | |
| **Activity ID:** 009 | **Activity:** Project Team Kickoff Meeting | **WBS No:** 1.2.3 |
| **Activity Description:** This activity is to disseminate the project to the members participating, describes an overview and preliminary of project and give some project requirements | | |
| **Activity Responsibility:** Hung has primary responsibility and all team members are the alternate | **Resources and Skill Sets Required:** here | |
| **Activity Predecessors:** Before this activity is Determine Project Team  stage | **Predecessor Scheduling:** This activity must start once the predecessor is complete: Finish-Start Relationship. | **Predecessor Dependency:** |
| **Activity Successors:**  List works need to do will begin upon completion of this activity. | **Successor Scheduling:**  Once this activity is complete the successor is implemented. Finish-Start relationship. | **Successor Dependency:** |
| **Type of Effort:** *duration ở đây* | | |
| **Location of Activity:** All work associated with this activity will occur at head office | | |
| **Activity Assumptions:** | | |
| **Activity Constraints:** *yêu cầu hoàn thành theo như thời gian duration* | | |
|  | | |
| **Activity ID:** 010 | **Activity:** List works need to do | **WBS No:** 1.2.4 |
| **Activity Description:** Make a list of to-do items based on selected software development model | | |
| **Activity Responsibility:**  Hung has primary responsibility and Khoi is the alternate | **Resources and Skill Sets Required:** here | |
| **Activity Predecessors:** Before this activity is Kickoff Meeting  stage | **Predecessor Scheduling:** This activity must start once the predecessor is complete: Finish-Start Relationship. | **Predecessor Dependency:** |
| **Activity Successors:**  Create WBS Dictionary will begin upon completion of this activity. | **Successor Scheduling:**  Once this activity is complete the successor is implemented. Finish-Start relationship. | **Successor Dependency:** |
| **Type of Effort:** *duration ở đây* | | |
| **Location of Activity:** All work associated with this activity will occur at head office | | |
| **Activity Assumptions:** | | |
| **Activity Constraints:** *yêu cầu hoàn thành theo như thời gian duration* | | |
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| **Activity ID:** 011 | **Activity:** Create WBS Dictionary | **WBS No:** 1.2.4 |
| **Activity Description:** A detailed description of works | | |
| **Activity Responsibility:**  Khoi is responsible for this activity | **Resources and Skill Sets Required:** here | |
| **Activity Predecessors:** Before this activity is List works need to do stage | **Predecessor Scheduling:** This activity must start once the predecessor is complete: Finish-Start Relationship. | **Predecessor Dependency:** |
| **Activity Successors:**  Create Activity and Activity Attributes List will begin upon completion of this activity.. | **Successor Scheduling:**  Once this activity is complete the successor is implemented. Finish-Start relationship.. | **Successor Dependency:** |
| **Type of Effort:** *duration ở đây* | | |
| **Location of Activity:** All work associated with this activity will occur at head office | | |
| **Activity Assumptions:** | | |
| **Activity Constraints:** *yêu cầu hoàn thành theo như thời gian duration* | | |
|  | | |
| **Activity ID:** 012 | **Activity:** Create Activity and Activity Attributes List | **WBS No:** 1.2.4 |
| **Activity Description:** List of tasks to be done to complete works that listed in WBS | | |
| **Activity Responsibility:** Khoi is responsible for this activity | **Resources and Skill Sets Required:** here | |
| **Activity Predecessors:** Before this activity is Create WBS Dictionary stage | **Predecessor Scheduling:** This activity must start once the predecessor is complete: Finish-Start Relationship. | **Predecessor Dependency:** |
| **Activity Successors:**  Setting out the phases will begin upon completion of this activity. | **Successor Scheduling:**  Once this activity is complete the successor is implemented. Finish-Start relationship. | **Successor Dependency:** |
| **Type of Effort:** *duration ở đây* | | |
| **Location of Activity:** All work associated with this activity will occur at head office | | |
| **Activity Assumptions:** | | |
| **Activity Constraints:** *yêu cầu hoàn thành theo như thời gian duration* | | |
|  | | |
| **Activity ID:** 013 | **Activity:** Setting out the phases | **WBS No:** 1.2.5 |
| **Activity Description:** This activity consists setting out the phases needed to deliver the project. The timeframes required along with the resources and milestones | | |
| **Activity Responsibility:**  Hung has primary responsibility and Khoi is the alternate | **Resources and Skill Sets Required:** here | |
| **Activity Predecessors:** Before this activity is Create Activity and Activity Attributes List stage | **Predecessor Scheduling:** This activity must start once the predecessor is complete: Finish-Start Relationship. | **Predecessor Dependency:** |
| **Activity Successors:**  Define tasks needed to deliver the project will begin upon completion of this activity. | **Successor Scheduling:**  Once this activity is complete the successor is implemented. Finish-Start relationship. | **Successor Dependency:** |
| **Type of Effort:** *duration ở đây* | | |
| **Location of Activity:** All work associated with this activity will occur at head office | | |
| **Activity Assumptions:** | | |
| **Activity Constraints:** *yêu cầu hoàn thành theo như thời gian duration* | | |
|  | | |
| **Activity ID:** 014 | **Activity:** Define tasks needed to deliver the project | **WBS No:** 1.2.5 |
| **Activity Description:** This activity consists setting out the tasks needed to deliver the project. The timeframes required along with the resources and milestones | | |
| **Activity Responsibility:** Hung has primary responsibility and Khoi is the alternate | **Resources and Skill Sets Required:** here | |
| **Activity Predecessors:** Before this activity is Setting out the phases stage | **Predecessor Scheduling:** This activity must start once the predecessor is complete: Finish-Start Relationship. | **Predecessor Dependency:** |
| **Activity Successors:**  Project Handover Meeting will begin upon completion of this activity. | **Successor Scheduling:**  Once this activity is complete the successor is implemented. Finish-Start relationship. | **Successor Dependency:** |
| **Type of Effort:** *duration ở đây* | | |
| **Location of Activity:** All work associated with this activity will occur at head office | | |
| **Activity Assumptions:** | | |
| **Activity Constraints:** *yêu cầu hoàn thành theo như thời gian duration* | | |
|  | | |
| **Activity ID:** 015 | **Activity:** Project Handover Meeting | **WBS No:** 1.3.1 |
| **Activity Description:** This activity is describing in detail the requirements and schedule tasks of the project from there assigning tasks to members | | |
| **Activity Responsibility:** Hung has primary responsibility and all team members are the alternate | **Resources and Skill Sets Required:** here | |
| **Activity Predecessors:** Before this activity is Define tasks needed to deliver the project stage | **Predecessor Scheduling:** This activity must start once the predecessor is complete: Finish-Start Relationship. | **Predecessor Dependency:** |
| **Activity Successors:**  Set up computer, modem, router will begin upon completion of this activity. | **Successor Scheduling:**  Once this activity is complete the successor is implemented. Finish-Start relationship. | **Successor Dependency:** |
| **Type of Effort:** *duration ở đây* | | |
| **Location of Activity:** All work associated with this activity will occur at head office | | |
| **Activity Assumptions:** | | |
| **Activity Constraints:** *yêu cầu hoàn thành theo như thời gian duration* | | |
|  | | |
| **Activity ID:** 016 | **Activity:** Set up computer, modem, router | **WBS No:** 1.3.2 |
| **Activity Description:** This activity is purchasing and setting of equipment necessary for project development | | |
| **Activity Responsibility:** Hung has primary responsibility and all team members are the alternate | **Resources and Skill Sets Required:** here | |
| **Activity Predecessors:** Before this activity is Project Handover Meeting stage | **Predecessor Scheduling:** This activity must start once the predecessor is complete: Finish-Start Relationship. | **Predecessor Dependency:** |
| **Activity Successors:**  Install DBMS, Design tools, IDE, Test tools will begin upon completion of this activity. | **Successor Scheduling:**  Once this activity is complete the successor is implemented. Finish-Start relationship. | **Successor Dependency:** |
| **Type of Effort:** *duration ở đây* | | |
| **Location of Activity:** All work associated with this activity will occur at head office | | |
| **Activity Assumptions:** | | |
| **Activity Constraints:** *yêu cầu hoàn thành theo như thời gian duration* | | |
|  | | |
| **Activity ID:** 017 | **Activity:** Install DBMS, Design tools, IDE, Test tools | **WBS No:** 1.3.2 |
| **Activity Description:** This activity is purchasing and setting of software necessary for project development | | |
| **Activity Responsibility:** Hung has primary responsibility and all team members are the alternate | **Resources and Skill Sets Required:** here | |
| **Activity Predecessors:** Before this activity is Set up computer, modem, router stage | **Predecessor Scheduling:** This activity must start once the predecessor is complete: Finish-Start Relationship. | **Predecessor Dependency:** |
| **Activity Successors:**  Layout functional and non-functional requirements will begin upon completion of this activity. | **Successor Scheduling:**  Once this activity is complete the successor is implemented. Finish-Start relationship. | **Successor Dependency:** |
| **Type of Effort:** *duration ở đây* | | |
| **Location of Activity:** All work associated with this activity will occur at head office | | |
| **Activity Assumptions:** | | |
| **Activity Constraints:** *yêu cầu hoàn thành theo như thời gian duration* | | |
|  | | |
| **Activity ID:** 018 | **Activity:** Layout functional and non-functional requirements | **WBS No:** 1.3.3 |
| **Activity Description:** Defines a function of a system or its component. Specifies criteria that can be used to judge the operation of a system | | |
| **Activity Responsibility:** Khoi is responsible for this activity | **Resources and Skill Sets Required:** here | |
| **Activity Predecessors:** Before this activity is Install DBMS, Design tools, IDE, Test tools stage | **Predecessor Scheduling:** This activity must start once the predecessor is complete: Finish-Start Relationship. | **Predecessor Dependency:** |
| **Activity Successors:**  List use cases will begin upon completion of this activity. | **Successor Scheduling:**  Once this activity is complete the successor is implemented. Finish-Start relationship. | **Successor Dependency:** |
| **Type of Effort:** *duration ở đây* | | |
| **Location of Activity:** All work associated with this activity will occur at head office | | |
| **Activity Assumptions:** Pass system test | | |
| **Activity Constraints:** *yêu cầu hoàn thành theo như thời gian duration* | | |
|  | | |
| **Activity ID:** 019 | **Activity:** List use cases | **WBS No:** 1.3.3 |
| **Activity Description:** List of actions defining the interactions between a role and a system, to achieve a goal | | |
| **Activity Responsibility:** Khoi is responsible for this activity | **Resources and Skill Sets Required:** here | |
| **Activity Predecessors:** Before this activity is Layout functional and non-functional requirements stage | **Predecessor Scheduling:** This activity must start once the predecessor is complete: Finish-Start Relationship. | **Predecessor Dependency:** |
| **Activity Successors:**  Define software architecture will begin upon completion of this activity. | **Successor Scheduling:**  Once this activity is complete the successor is implemented. Finish-Start relationship. | **Successor Dependency:** |
| **Type of Effort:** *duration ở đây* | | |
| **Location of Activity:** All work associated with this activity will occur at head office | | |
| **Activity Assumptions:** | | |
| **Activity Constraints:** *yêu cầu hoàn thành theo như thời gian duration* | | |
|  | | |
| **Activity ID:** 020 | **Activity:** Define software architecture | **WBS No:** 1.3.3 |
| **Activity Description:** Describe structures of a software system, the discipline of creating such structures | | |
| **Activity Responsibility:**  Khoi is responsible for this activity | **Resources and Skill Sets Required:** here | |
| **Activity Predecessors:** Before this activity is List use cases stage | **Predecessor Scheduling:** This activity must start once the predecessor is complete: Finish-Start Relationship. | **Predecessor Dependency:** |
| **Activity Successors:**  Verify & Validate Software Requirement Specification will begin upon completion of this activity. | **Successor Scheduling:**  Once this activity is complete the successor is implemented. Finish-Start relationship. | **Successor Dependency:** |
| **Type of Effort:** *duration ở đây* | | |
| **Location of Activity:** All work associated with this activity will occur at head office | | |
| **Activity Assumptions:** | | |
| **Activity Constraints:** *yêu cầu hoàn thành theo như thời gian duration* | | |
|  | | |
| **Activity ID:** 021 | **Activity:** Verify & Validate Software Requirement Specification | **WBS No:** 1.3.4 |
| **Activity Description:** This activity is to analysis and evaluation of the software requirements specification has been described, might modified if there is unsuitable description | | |
| **Activity Responsibility:** Hung responsible for this activity | **Resources and Skill Sets Required:** here | |
| **Activity Predecessors:** Before this activity is Define software architecture stage | **Predecessor Scheduling:** This activity must start once the predecessor is complete: Finish-Start Relationship. | **Predecessor Dependency:** |
| **Activity Successors:**  System architectural design will begin upon completion of this activity. | **Successor Scheduling:**  Once this activity is complete the successor is implemented. Finish-Start relationship. | **Successor Dependency:** |
| **Type of Effort:** *duration ở đây* | | |
| **Location of Activity:** All work associated with this activity will occur at head office | | |
| **Activity Assumptions:** | | |
| **Activity Constraints:** *yêu cầu hoàn thành theo như thời gian duration* | | |
|  | | |
| **Activity ID:** 022 | **Activity:** System architectural design | **WBS No:** 1.3.6 |
| **Activity Description:** Defines the structure, behavior, and more views of a system | | |
| **Activity Responsibility:**  Son is responsible for this activity | **Resources and Skill Sets Required:** here | |
| **Activity Predecessors:**  Before this activity is Verify & Validate SRS stage | **Predecessor Scheduling:** This activity must start once the predecessor is complete: Finish-Start Relationship. | **Predecessor Dependency:** |
| **Activity Successors:**  System logical design will begin upon completion of this activity. | **Successor Scheduling:**  Once this activity is complete the successor is implemented. Finish-Start relationship. | **Successor Dependency:** |
| **Type of Effort:** *duration ở đây* | | |
| **Location of Activity:** All work associated with this activity will occur at head office | | |
| **Activity Assumptions:** | | |
| **Activity Constraints:** *yêu cầu hoàn thành theo như thời gian duration* | | |
|  | | |
| **Activity ID:** 023 | **Activity:** System logical design | **WBS No:** 1.3.6 |
| **Activity Description:** Describes the relationship of the entities | | |
| **Activity Responsibility:**  Son is responsible for this activity | **Resources and Skill Sets Required:** here | |
| **Activity Predecessors:** Before this activity is System architectural design stage | **Predecessor Scheduling:** This activity must start once the predecessor is complete: Finish-Start Relationship. | **Predecessor Dependency:** |
| **Activity Successors:**  System physical design will begin upon completion of this activity. | **Successor Scheduling:**  Once this activity is complete the successor is implemented. Finish-Start relationship. | **Successor Dependency:** |
| **Type of Effort:** *duration ở đây* | | |
| **Location of Activity:** All work associated with this activity will occur at head office | | |
| **Activity Assumptions:** | | |
| **Activity Constraints:** *yêu cầu hoàn thành theo như thời gian duration* | | |
|  | | |
| **Activity ID:** 024 | **Activity:** System physical design | **WBS No:** 1.3.6 |
| **Activity Description:** Describes circuit into the physical layout, which describes the position of cells and routes for the interconnections between them. | | |
| **Activity Responsibility:**  Son is responsible for this activity | **Resources and Skill Sets Required:** here | |
| **Activity Predecessors:** Before this activity is System logical design stage | **Predecessor Scheduling:** This activity must start once the predecessor is complete: Finish-Start Relationship. | **Predecessor Dependency:** |
| **Activity Successors:**  Define tables of database will begin upon completion of this activity. | **Successor Scheduling:**  Once this activity is complete the successor is implemented. Finish-Start relationship. | **Successor Dependency:** |
| **Type of Effort:** *duration ở đây* | | |
| **Location of Activity:** All work associated with this activity will occur at head office | | |
| **Activity Assumptions:** | | |
| **Activity Constraints:** *yêu cầu hoàn thành theo như thời gian duration* | | |
|  | | |
|  | | |
| **Activity ID:** 025 | **Activity:** Define tables of database | **WBS No:** 1.3.7 |
| **Activity Description:** Described table, the values and the roll of those in the table | | |
| **Activity Responsibility:**  Son is responsible for this activity | **Resources and Skill Sets Required:** here | |
| **Activity Predecessors:** Before this activity is System physical design stage | **Predecessor Scheduling:** This activity must start once the predecessor is complete: Finish-Start Relationship. | **Predecessor Dependency:** |
| **Activity Successors:**  Set up table relationships will begin upon completion of this activity. | **Successor Scheduling:**  Once this activity is complete the successor is implemented. Finish-Start relationship. | **Successor Dependency:** |
| **Type of Effort:** *duration ở đây* | | |
| **Location of Activity:** All work associated with this activity will occur at head office | | |
| **Activity Assumptions:** | | |
| **Activity Constraints:** *yêu cầu hoàn thành theo như thời gian duration* | | |
|  | | |
| **Activity ID:** 026 | **Activity:** Set up table relationships | **WBS No:** 1.3.7 |
| **Activity Description:** Describes the relationship between the tables in the database | | |
| **Activity Responsibility:**  Son is responsible for this activity | **Resources and Skill Sets Required:** here | |
| **Activity Predecessors:** Before this activity is Define tables of database stage | **Predecessor Scheduling:** This activity must start once the predecessor is complete: Finish-Start Relationship. | **Predecessor Dependency:** |
| **Activity Successors:**  Design Mockup will begin upon completion of this activity. | **Successor Scheduling:**  Once this activity is complete the successor is implemented. Finish-Start relationship. | **Successor Dependency:** |
| **Type of Effort:** *duration ở đây* | | |
| **Location of Activity:** All work associated with this activity will occur at head office | | |
| **Activity Assumptions:** | | |
| **Activity Constraints:** *yêu cầu hoàn thành theo như thời gian duration* | | |
|  | | |
| **Activity ID:** 027 | **Activity:** Design Mockup | **WBS No:** 1.3.8 |
| **Activity Description:** This activity is to design an intuitive interface for users to interact | | |
| **Activity Responsibility:**  Hoang is responsible for this activity | **Resources and Skill Sets Required:** here | |
| **Activity Predecessors:** Before this activity is Set up table relationships stage | **Predecessor Scheduling:** This activity must start once the predecessor is complete: Finish-Start Relationship. | **Predecessor Dependency:** |
| **Activity Successors:**  Design Logo will begin upon completion of this activity. | **Successor Scheduling:**  Once this activity is complete the successor is implemented. Finish-Start relationship. | **Successor Dependency:** |
| **Type of Effort:** *duration ở đây* | | |
| **Location of Activity:** All work associated with this activity will occur at head office | | |
| **Activity Assumptions:** | | |
| **Activity Constraints:** *yêu cầu hoàn thành theo như thời gian duration* | | |
|  | | |
| **Activity ID:** 028 | **Activity:** Design Logo | **WBS No:** 1.3.8 |
| **Activity Description:** This activity is to design an intuitive interface for users to interact | | |
| **Activity Responsibility:**  Hoang is responsible for this activity | **Resources and Skill Sets Required:** here | |
| **Activity Predecessors:** Before this activity is Design Mockup stage | **Predecessor Scheduling:** This activity must start once the predecessor is complete: Finish-Start Relationship. | **Predecessor Dependency:** |
| **Activity Successors:**  Coding database will begin upon completion of this activity. | **Successor Scheduling:**  Once this activity is complete the successor is implemented. Finish-Start relationship. | **Successor Dependency:** |
| **Type of Effort:** *duration ở đây* | | |
| **Location of Activity:** All work associated with this activity will occur at head office | | |
| **Activity Assumptions:** | | |
| **Activity Constraints:** *yêu cầu hoàn thành theo như thời gian duration* | | |
|  | | |
| **Activity ID:** 029 | **Activity:** Coding database | **WBS No:** 1.3.10 |
| **Activity Description:** Build databases based on existing design | | |
| **Activity Responsibility:**  Hoang is responsible for this activity | **Resources and Skill Sets Required:** here | |
| **Activity Predecessors:** Before this activity is Design Logo stage | **Predecessor Scheduling:** This activity must start once the predecessor is complete: Finish-Start Relationship. | **Predecessor Dependency:** |
| **Activity Successors:**  Coding view page will begin upon completion of this activity. | **Successor Scheduling:**  Once this activity is complete the successor is implemented. Finish-Start relationship. | **Successor Dependency:** |
| **Type of Effort:** *duration ở đây* | | |
| **Location of Activity:** All work associated with this activity will occur at head office | | |
| **Activity Assumptions:** | | |
| **Activity Constraints:** *yêu cầu hoàn thành theo như thời gian duration* | | |
|  | | |
| **Activity ID:** 030 | **Activity:** Coding view page | **WBS No:** 1.3.10 |
| **Activity Description:** Programming user interface components | | |
| **Activity Responsibility:**  Khoi is responsible for this activity | **Resources and Skill Sets Required:** here | |
| **Activity Predecessors:** Before this activity is Coding database stage | **Predecessor Scheduling:** This activity must start once the predecessor is complete: Finish-Start Relationship. | **Predecessor Dependency:** |
| **Activity Successors:**  Coding controller will begin upon completion of this activity. | **Successor Scheduling:**  Once this activity is complete the successor is implemented. Finish-Start relationship. | **Successor Dependency:** |
| **Type of Effort:** *duration ở đây* | | |
| **Location of Activity:** All work associated with this activity will occur at head office | | |
| **Activity Assumptions:** | | |
| **Activity Constraints:** *yêu cầu hoàn thành theo như thời gian duration* | | |
|  | | |
| **Activity ID:** 031 | **Activity:** Coding controller | **WBS No:** 1.3.10 |
| **Activity Description:** Programming business process components | | |
| **Activity Responsibility:**  Son is responsible for this activity | **Resources and Skill Sets Required:** here | |
| **Activity Predecessors:** Before this activity is Coding view page stage | **Predecessor Scheduling:** This activity must start once the predecessor is complete: Finish-Start Relationship. | **Predecessor Dependency:** |
| **Activity Successors:**  Test Plan will begin upon completion of this activity. | **Successor Scheduling:**  Once this activity is complete the successor is implemented. Finish-Start relationship. | **Successor Dependency:** |
| **Type of Effort:** *duration ở đây* | | |
| **Location of Activity:** All work associated with this activity will occur at head office | | |
| **Activity Assumptions:** | | |
| **Activity Constraints:** *yêu cầu hoàn thành theo như thời gian duration* | | |
|  | | |
| **Activity ID:** 032 | **Activity:** Test Plan | **WBS No:** 1.3.12 |
| **Activity Description:** This activity is describing the scope, approach, resources and schedule of intended test activities. It identifies amongst others test items, the features to be tested, the testing tasks, who will do each task, degree of tester independence, the test environment, the test design techniques and entry and exit criteria to be used | | |
| **Activity Responsibility:**  Manh is responsible for this activity | **Resources and Skill Sets Required:** here | |
| **Activity Predecessors:** Before this activity is Coding controller stage | **Predecessor Scheduling:** This activity must start once the predecessor is complete: Finish-Start Relationship. | **Predecessor Dependency:** |
| **Activity Successors:**  Unit Test will begin upon completion of this activity. | **Successor Scheduling:**  Once this activity is complete the successor is implemented. Finish-Start relationship. | **Successor Dependency:** |
| **Type of Effort:** *duration ở đây* | | |
| **Location of Activity:** All work associated with this activity will occur at head office | | |
| **Activity Assumptions:** | | |
| **Activity Constraints:** *yêu cầu hoàn thành theo như thời gian duration* | | |
|  | | |
| **Activity ID:** 033 | **Activity:** Unit Test | **WBS No:** 1.3.12 |
| **Activity Description:** Test each function of code | | |
| **Activity Responsibility:**  Son is responsible for this activity | **Resources and Skill Sets Required:** here | |
| **Activity Predecessors:**  Before this activity is Test Plan stage | **Predecessor Scheduling:** This activity must start once the predecessor is complete: Finish-Start Relationship. | **Predecessor Dependency:** |
| **Activity Successors:**  Integration Test  will begin upon completion of this activity. | **Successor Scheduling:**  Once this activity is complete the successor is implemented. Finish-Start relationship. | **Successor Dependency:** |
| **Type of Effort:** *duration ở đây* | | |
| **Location of Activity:** All work associated with this activity will occur at head office | | |
| **Activity Assumptions:** | | |
| **Activity Constraints:** *yêu cầu hoàn thành theo như thời gian duration* | | |
|  | | |
| **Activity ID:** 034 | **Activity:** Integration Test | **WBS No:** 1.3.12 |
| **Activity Description:** This activity is test all modules are combined or not combined with other work done to achieve results such as documents required have been identified | | |
| **Activity Responsibility:**  Manh is responsible for this activity | **Resources and Skill Sets Required:** here | |
| **Activity Predecessors:** Before this activity is Unit Test stage | **Predecessor Scheduling:** This activity must start once the predecessor is complete: Finish-Start Relationship. | **Predecessor Dependency:** |
| **Activity Successors:**  System Test will begin upon completion of this activity. | **Successor Scheduling:**  Once this activity is complete the successor is implemented. Finish-Start relationship. | **Successor Dependency:** |
| **Type of Effort:** *duration ở đây* | | |
| **Location of Activity:** All work associated with this activity will occur at head office | | |
| **Activity Assumptions:** | | |
| **Activity Constraints:** *yêu cầu hoàn thành theo như thời gian duration* | | |
|  | | |
| **Activity ID:** 035 | **Activity:** System Test | **WBS No:** 1.3.12 |
| **Activity Description:** This activity is to evaluate the system's compliance with its specific requirements | | |
| **Activity Responsibility:**  Manh is responsible for this activity | **Resources and Skill Sets Required:** here | |
| **Activity Predecessors:**  Before this activity is Integration Test stage | **Predecessor Scheduling:** This activity must start once the predecessor is complete: Finish-Start Relationship. | **Predecessor Dependency:** |
| **Activity Successors:**  Deploy Server  will begin upon completion of this activity. | **Successor Scheduling:**  Once this activity is complete the successor is implemented. Finish-Start relationship. | **Successor Dependency:** |
| **Type of Effort:** *duration ở đây* | | |
| **Location of Activity:** All work associated with this activity will occur at head office | | |
| **Activity Assumptions:** | | |
| **Activity Constraints:** *yêu cầu hoàn thành theo như thời gian duration* | | |
|  | | |
| **Activity ID:** 036 | **Activity:** Deploy Server | **WBS No:** 1.3.14 |
| **Activity Description:** This activity is installing the software on the server | | |
| **Activity Responsibility:**  Hoang is responsible for this activity | **Resources and Skill Sets Required:** here | |
| **Activity Predecessors:** Before this activity is System Test stage | **Predecessor Scheduling:** This activity must start once the predecessor is complete: Finish-Start Relationship. | **Predecessor Dependency:** |
| **Activity Successors:**  User Training  will begin upon completion of this activity. | **Successor Scheduling:**  Once this activity is complete the successor is implemented. Finish-Start relationship. | **Successor Dependency:** |
| **Type of Effort:** *duration ở đây* | | |
| **Location of Activity:** All work associated with this activity will occur at head office | | |
| **Activity Assumptions:** | | |
| **Activity Constraints:** *yêu cầu hoàn thành theo như thời gian duration* | | |
|  | | |
| **Activity ID:** 037 | **Activity:** User Training | **WBS No:** 1.3.15 |
| **Activity Description:** This activity includes training user and collect review of them | | |
| **Activity Responsibility:**  Manh is responsible for this activity | **Resources and Skill Sets Required:** here | |
| **Activity Predecessors:** Before this activity is Deploy Server stage | **Predecessor Scheduling:** This activity must start once the predecessor is complete: Finish-Start Relationship. | **Predecessor Dependency:** |
| **Activity Successors:**  Put project to realistic environment will begin upon completion of this activity. | **Successor Scheduling:**  Once this activity is complete the successor is implemented. Finish-Start relationship. | **Successor Dependency:** |
| **Type of Effort:** *duration ở đây* | | |
| **Location of Activity:** All work associated with this activity will occur at head office | | |
| **Activity Assumptions:** | | |
| **Activity Constraints:** *yêu cầu hoàn thành theo như thời gian duration* | | |
|  | | |
| **Activity ID:** 038 | **Activity:** Configuring network settings | **WBS No:** 1.3.16 |
| **Activity Description:** Ensuring that users can access from client | | |
| **Activity Responsibility:**  Hoang is responsible for this activity | **Resources and Skill Sets Required:** here | |
| **Activity Predecessors:** Before this activity is User Training  stage | **Predecessor Scheduling:** This activity must start once the predecessor is complete: Finish-Start Relationship. | **Predecessor Dependency:** |
| **Activity Successors:**  Set appropriate firewall rules will begin upon completion of this activity. | **Successor Scheduling:**  Once this activity is complete the successor is implemented. Finish-Start relationship. | **Successor Dependency:** |
| **Type of Effort:** *duration ở đây* | | |
| **Location of Activity:** All work associated with this activity will occur at head office | | |
| **Activity Assumptions:** | | |
| **Activity Constraints:** *yêu cầu hoàn thành theo như thời gian duration* | | |
|  | | |
| **Activity ID:** 039 | **Activity:** Set appropriate firewall rules | **WBS No:** 1.3.16 |
| **Activity Description:** Ensure the security | | |
| **Activity Responsibility:**  Hoang is responsible for this activity | **Resources and Skill Sets Required:** here | |
| **Activity Predecessors:** Before this activity is Configuring network settings stage | **Predecessor Scheduling:** This activity must start once the predecessor is complete: Finish-Start Relationship. | **Predecessor Dependency:** |
| **Activity Successors:**  Closeout meeting will begin upon completion of this activity. | **Successor Scheduling:**  Once this activity is complete the successor is implemented. Finish-Start relationship. | **Successor Dependency:** |
| **Type of Effort:** *duration ở đây* | | |
| **Location of Activity:** All work associated with this activity will occur at head office | | |
| **Activity Assumptions:** | | |
| **Activity Constraints:** *yêu cầu hoàn thành theo như thời gian duration* | | |
|  | | |
| **Activity ID:** 057 | **Activity:** Closeout meeting | **WBS No:** 1.5.1 |
| **Activity Description:** This activity includes review statement of work, summarize what was done, promote the advantages and disadvantages need to be overcome | | |
| **Activity Responsibility:** Hung has primary responsibility and all team members are the alternate | **Resources and Skill Sets Required:** here | |
| **Activity Predecessors:** Before this activity is Go Live stage | **Predecessor Scheduling:** This activity must start once the predecessor is complete: Finish-Start Relationship. | **Predecessor Dependency:**  The project is put to realistic environment |
| **Activity Successors:**  Document Lessons Learned can begin simultaneously with this activity. | **Successor Scheduling:**  The successor can be implemented simultaneously with this activity.  Start-Start relationship. | **Successor Dependency:** |
| **Type of Effort:** *duration ở đây* | | |
| **Location of Activity:** All work associated with this activity will occur at head office | | |
| **Activity Assumptions:** The project is put to realistic environment | | |
| **Activity Constraints:** *yêu cầu hoàn thành theo như thời gian duration* | | |
|  | | |
| **Activity ID:** 058 | **Activity:** Document Lessons Learned | **WBS No:** 1.5.2 |
| **Activity Description:** This activity is to record the lessons gained through projects | | |
| **Activity Responsibility:** Hung has primary responsibility and all team members are the alternate | **Resources and Skill Sets Required:** here | |
| **Activity Predecessors:** Closeout Meeting can begin simultaneously with this activity. | **Predecessor Scheduling:** This activity can be implemented simultaneously with predecessor.  Start-Start relationship. | **Predecessor Dependency:** |
| **Activity Successors:**  Update Files/Records can begin simultaneously with this activity. | **Successor Scheduling:**  The successor can be implemented simultaneously with this activity.  Start-Start relationship. | **Successor Dependency:** |
| **Type of Effort:** *duration ở đây* | | |
| **Location of Activity:** All work associated with this activity will occur at head office | | |
| **Activity Assumptions:** The project is put to realistic environment | | |
| **Activity Constraints:** *yêu cầu hoàn thành theo như thời gian duration* | | |
|  | | |
| **Activity ID:** 059 | **Activity:** Update Files/Records | **WBS No:** 1.5.3 |
| **Activity Description:** This activity is last edit documents, supplement necessary documents | | |
| **Activity Responsibility:** Hung has primary responsibility and all team members are the alternate | **Resources and Skill Sets Required:** here | |
| **Activity Predecessors:** Document Lessons Learned can begin simultaneously with this activity. | **Predecessor Scheduling:** This activity can be implemented simultaneously with predecessor.  Start-Start relationship. | **Predecessor Dependency:** |
| **Activity Successors:**  Archive Files/Documents will begin upon completion of this activity. | **Successor Scheduling:**  Once this activity is complete the successor is implemented. Finish-Start relationship. | **Successor Dependency:**  All files/records updated |
| **Type of Effort:** *duration ở đây* | | |
| **Location of Activity:** All work associated with this activity will occur at head office | | |
| **Activity Assumptions:** The project is put to realistic environment | | |
| **Activity Constraints:** *yêu cầu hoàn thành theo như thời gian duration* | | |
|  | | |
| **Activity ID:** 060 | **Activity:** Archive Files/Documents | **WBS No:** 1.5.5 |
| **Activity Description:** This activity is to archive all necessary files and documents | | |
| **Activity Responsibility:** Hung has primary responsibility and all team members are the alternate | **Resources and Skill Sets Required:** here | |
| **Activity Predecessors:** Before this activity is Update Files/Records stage | **Predecessor Scheduling:** This activity must start once the predecessor is complete: Finish-Start Relationship. | **Predecessor Dependency:**  All files/records updated |
| **Activity Successors:** | **Successor Scheduling:** | **Successor Dependency:** |
| **Type of Effort:** *duration ở đây* | | |
| **Location of Activity:** All work associated with this activity will occur at head office | | |
| **Activity Assumptions:** All files/records updated | | |
| **Activity Constraints:** *yêu cầu hoàn thành theo như thời gian duration* | | |