**Task 2:** Identifying Scope.

Team decided to use Waterfall model to develop Sales System of a retail chain using a loyalty card point system because(Access to top-down, when finish completely a phase, then start a next phase (a phase only active at a time).

* Easy to apply
* Suitable for small projects, which have required frequent invariably
* Milestones clearly to define.
* Easy to assess progress
* Output document of each stage are being built and more fully.
* Support non-specialized technical staff
  + A well-structured, easy to understand, easy to manage

Apply waterfall model to this project, we estimate schedule for 6 week follow:

1. **Schedule:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ID | Task | Project Release | Date Start | Date End | Work hour |
| 1 | Requirement | Document Propose, SRS, Gathering and analysis requirement | 5-3-2012 | 19-3-2012 | 84 |
| 2 | Design | Design system, component and element  Document SDS | 20-3-2012 | 27-3-2012 | 42 |
| 3 | Code | Implement  Release produce | 28-3-2012 | 4-4-2012 | 42 |
| 4 | Test | Test and fix bug. | 5-4-2012 | 12-4-2012 | 42 |
| 5 | Integrate | Deploy and maintain | 13-4-2012 | 20-4-2012 | 42 |

**Within 6 week, Team decided:**

1. Choose basic function to deliver to customer:
   1. Manage system
   2. Manage Customer
   3. Manage Product
   4. Manage Categories
   5. Manage Retail Store
   6. Manage Record
   7. Log in
   8. Log out
   9. Change password

Because this function is important function, easy to development and must have to operation Sales System of a retail chain using a loyalty card point system

2. Defer statistic function because this function do not so important, requirement about this function still not clear and hard to development

|  |  |  |  |
| --- | --- | --- | --- |
| ID |  | Task | Mine-stone |
| 1 | RE | Propose | 10-3-2012 |
| Concept Of Operation | 13-3-2012 |
| SRS | 17-3-2012 |
| 2 | Design | SDS | 24-3-2012 |
| 3 | Implement | Manage System | 29-3-2012 |
| Manage Customers | 30-3-2012 |
| Manage Products | 1-4-2012 |
| Manage Categories | 2-4-2012 |
| Manage Retail Store | 3-4-2012 |
| Manage Records | 4-4-2012 |
| Product - Version 1 | 5-4-2012 |
| Final | 20-4-2012 |

**Risk:**

|  |  |
| --- | --- |
|  | Risk |
| Schedule | The release of specification is delayed |
| Estimate the time is too far from real |
| Our plan is too aggressive |
| Customer Change Requirements or Addition requirement |
|  |
|  |  |
| Organization and Management | Not fully reviewed documents |
| Not determined customer scope |
| It's academic project (it's ok even project fails) |
| Team leader cannot control and motivate the team member |
| Communication problem among team members |
|  |  |
| Development environment | Not determined development environment |
|  |  |
| Requirement | Team does not understand requirement clearly. |
|  |  |
| Personnel | Unskillful members-programming skill |
| Absent the team meetings |
| Lack of time on Class |
| Lack of design skill |
|  |  |
| Design and Implementation Design and Implementation | Developing the wrong user interface |
|  |  |