**Project Planning**

**Budget:** ~$260,000

**Time:** 1200 hours

**Start date:** October 1, 2016

**End date:** January 8, 2017

**Specifications:** 3

**Strategy:** Iterative

**Estimations**

* Time estimation:

Best Average Worst

( 720\*1 + 1080\*2 + 1440\*3 ) / 6

= 1200 hours

* Budget estimation:

→ Total Budget = data cost per unit \* 500,000,000 records + service fee

* Data cost per unit = 50 Kb ( average document ) \* 500,000,000 records

→ 25 billion Kb = 25 Tb + allowance of 100 Tb = 125 Tb

→ 1 Gb = 15¢, 1000 Gb \* 15¢ = 1 Tb = $150/month

= 125 Tb \* $150/month

= $18,750/month

* Service fee = specifications \* estimated time \* hourly wage

= ( 3 \* (572 regular hours \* 50) + (628 overtime hours \* 80) )

= $236,520

\*12 hours a day, no weekends off\*

= Total Budget = $18,750 + $180,000

= $255,270

**Responsibility Matrix**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Public** | **Student** | **Faculty** | **Dept. Chief** | **Admin** |
| **Log in** | X | X | X | X | X |
| **See buildings info** | X | X | X | X | X |
| **Read/Write messages** |  | X | X | X | X |
| **Post announcements/News** |  |  | X | X | X |
| **Manage buildings info** |  |  |  |  | X |
| **Modify profile** |  | X | X | X | X |
| **See student data** |  | X | X | X | X |
| **Manage grades** |  |  | X | X | X |
| **Manage classes** |  |  |  | X | X |
| **Monitoring System Access** |  |  |  |  | X |
| **See log info** |  |  |  |  | X |
| **Export data** |  |  |  |  | X |
| **Backups** |  |  |  |  | X |
| **Import data** |  |  |  |  | X |
| **Roll-back** |  |  |  |  | X |
| **Block users** |  |  |  |  | X |