A-D High Tech Project Plan

The CIO needs to determine whether the proposed project can be completed in time for the holiday shopping season. As the newly appointed project manager, have taken over and gathered all components of the plan to assess a response to the following questions (Assume no holidays and ignore the sunk costs of the planning team's efforts.):

**1. What is the projected completion date?**

The projected completion date, assuming there are no holidays and ignoring the sunk costs of the planning team’s efforts, was Tuesday, 06/14/2005 with the duration of 537 days.

The projected completion date was late 750 days compared to the initial projected completion date, which was planned to be performed on 5/26/2003

**2. What is the total project cost? How much of those costs are labor and how much are capital? What can you say about the labor allocations?**

According to the “Physical Infrastructure” plan, in order to conduct commerce over the internet, besides two firewalls that are only set up accessible in the intranet, the team estimated that they would need to purchase 12 Window 2000 workstations ($3000 each) and 5 Windows 2000 ($12,500 each) servers for the project.

Project’s capital cost: 12 \* $3000 + 5 \* $12,500 = $98,500

According to the resource cost overview sheet in Microsoft Project containing total labor cost, which is $3,748,282.00 (picture 1)

The actual project total cost: $98,500 + $3,748,282 = $3,846,782

According to the “Resource Usage”, Ryan Neff(Functional Lead) and Stacy Lee (Functional Analyst) were overallocated since both of them worked 4,404 hours to complete the project.

**3. What is the project's critical path? What are the major risk elements associated with this project, how would you assess the level of risk?**

The project’s critical path includes:

1. Submit order started 7/18/2003 and had the duration of 4 days, which was assigned to Ryan Neff( Functional Lead)
2. Check Order History and Order Status started 7/24/2003 and had the duration of 3 days, which as assigned to Ryan Neff (Functional Lead)
3. Test Planning: Total of 56 days

* Gather Testing Requirements started Thu 8/21/03 and had the duration of 14 days, which was assigned to Kara Siposki (Test Lead) ,Todd Eliason (Tester)
* Create System Test Plan & Test Cases started Wed 9/10/03 and had the duration of 20 days, which was assigned to Kara Siposki (Test Lead) ,Todd Eliason (Tester)
* Write System Test Script started Wed 10/8/03 and had the duration of 22 days, which was assigned to Kara Siposki (Test Lead) ,Todd Eliason (Tester)

1. Testing (Total of 282 days)

* Perform System Testing started Fri 11/7/03 and had the duration of 160 days, which was assigned to Developer 1 (TBD) ,Developer 2 (TBD) ,Developer 3 (TBD) ,Kara Siposki (Test Lead) ,Marc Sanders (Development Lead) ,Ryan Neff (Functional Lead) ,Stacy Lyle ( Functional Analyst),Todd Eliason (Tester)
* Perform Validation Testing started Fri 6/18/04 and had the duration of 80 days, which was assigned to Developer 1 (TBD) ,Developer 2 (TBD) ,Developer 3 (TBD) ,Kara Siposki (Test Lead) ,Marc Sanders (Development Lead) ,Ryan Neff (Functional Lead) ,Stacy Lyle ( Functional Analyst),Todd Eliason (Tester)

1. Deployment (Total of 386 days)

* Implementing System started Fri 10/8/04 and had the duration of 80 days, which was assigned to Developer 1 (TBD) ,Developer 2 (TBD) ,Developer 3 (TBD) ,Kara Siposki (Test Lead) ,Marc Sanders (Development Lead) ,Ryan Neff (Functional Lead) ,Stacy Lyle ( Functional Analyst),Todd Eliason (Tester)
* Deploy To Production started Fri 1/28/05 and had the duration of 8 days, which was assigned to Developer 1 (TBD) ,Developer 2 (TBD) ,Developer 3 (TBD) ,Kara Siposki (Test Lead) ,Marc Sanders (Development Lead) ,Ryan Neff (Functional Lead) ,Stacy Lyle ( Functional Analyst),Todd Eliason (Tester)
* Project Wrap-Up started Wed 2/9/05 and had the duration of 90 days, which was assigned to Developer 1 (TBD) ,Developer 2 (TBD) ,Developer 3 (TBD) ,Kara Siposki (Test Lead) ,Marc Sanders (Development Lead) ,Rick Burke (Infrastructure Lead),Ryan Neff (Functional Lead) ,Stacy Lyle ( Functional Analyst),Todd Eliason (Tester)

The major risk elements associated with the project are:

* Task duration: The testing task and deployment task on the critical path was heavily dependent on each other leading to the duration of this task being more than 1 year, which was the main reason for the project’s delay. Moreover, Sander (development lead) was barely keeping up with his duties managing the existing task on the project.

**4. What is your conclusion on the potential for completing the project on time? What options might you propose to either get the project on track or other alternatives to salvage this project?**

Due to the high risk of task duration and the tight schedule of the planned Christmast online store, it had a high probability of delay for the project, which may not be preventable.

However, to get the project on track as much as possible, the new project manager needs to troubleshoot the project and evaluate the critical path. As it mentioned, Sander (development lead) was a bit worried about the size of his development team, since he was barely keeping up with his duties managing the existing task on the project. Sander needed to prioritize the project and work on the critical paths that created the delay. Furthermore, his team had a lot of people, which cost the company more than expected. The new manager could consider outsourcing from Microsoft consultants since they may help by forcing the project to meet the expectation deadline.