**u14077893**

**COS 731 – Assignment 1**

**Bellisimo Project Plan Phase 1**

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| --- | --- | --- | --- | --- | --- |
|  | | **Actual Hours Spent** | | | |
| **Task** | **Estimate** | **Resources** | **Documenting** | **Coding** | **Total** |
| Bellisimo Investigation | 24 hours | 7 | 4 | - | 11 |
| Requirements Analysis | 24 hours | 5 | 3 | - | 8 |
| SRS Document | 48 hours | - | - | - | 31 |
| Functional Requirements | 8 hours | 2 | 4 | - | 6 |
| Use Cases | 15 hours | 2 | 10 | - | 12 |
| Traceability | 2 hours | 1 | 1 | - | 2 |
| Other (Intro, BG, Scope etc.) | 3 hours | 1 | 1 |  | 2 |
| Non-Functional Requirements | 8 hours | 2 | 3 | - | 5 |
| Systems Analysis  (Memory, Hardware, Performance etc.) | 5 hours | 1 | 3 | - | 4 |
| Architectural Document | 48 hours | - | - | - | 20.5 |
| System | 18 hours | - | - | - | 10.5 |
| Back-end | 12 hours | 3 | 4 | - | 7 |
| Front-end | 6 hours | 1 | 2.5 | - | 3.5 |
| Services | 24 hours | - | 6 | - | 6 |
| Technologies | 6 hours | 2 | 2 | - | 4 |
| Setting up code environment | 36 hours | - | - | - | 16 |
| Git Repository | 4 hours | 2 | - | 1 | 3 |
| Angular2 & HTML | 6 hours | 1 | - | 1 | 2 |
| Spring Cloud | 8 hours | 1 | - | 2 | 3 |
| Netflix OSS | 10 hours | 3 | - | 2 | 5 |
| Database Setup (PostgreSQL) | 8 hours | 2 | - | 1 | 3 |
| Code Skeleton | 22 hours | - | - | - | 12.5 |
| Interfaces | 8 hours | - | 1 | 3 | 4 |
| Mock Objects | 8 hours | - | - | 2 | 2 |
| Unit Tests | 6 hours | 1 | 0.5 | 5 | 6.5 |
| Coding services | 65 hours | - | - | - | 46 |
| Users | 5 hours | 2 | 1 | 6 | 9 |
| Products | 10 hours | 5 | 1 | 8 | 13 |
| Promotions | 10 hours | 1 | 1 | 2 | 4 |
| ViewingCatalogues | 15 hours | 3 | 2 | 6 | 11 |
| MaintainingCatalogues | 15 hours | - | 2 | 5 | 7 |
| Testing | 24 hours | - | - | 2 | 2 |

**Bellisimo Project Plan Phase 2**

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| --- | --- | --- | --- | --- | --- |
|  | | **Actual Hours Spent** | | | |
| **Task** | **Estimate** | **Resources** | **Documenting** | **Coding** | **Total** |
| Requirements Analysis | 5 hours |  |  |  |  |
| Update SRS Document | 25 hours | - | - | - |  |
| Functional Requirements | 3 hours |  |  |  |  |
| Use Cases | 22 hours |  |  |  |  |
| Register User | 2 hours |  |  |  |  |
| View User Profile | 2 hours |  |  |  |  |
| Update User Profile | 2 hours |  |  |  |  |
| View items in cart | 2 hours |  |  |  |  |
| Add items to cart | 2 hours |  |  |  |  |
| Remove items from cart | 2 hours |  |  |  |  |
| Checkout | 2 hours |  |  |  |  |
| Validate Payer | 2 hours |  |  |  |  |
| Accept Payment | 2 hours |  |  |  |  |
| Decline Payment | 2 hours |  |  |  |  |
| View Historical Sales | 2 hours |  |  |  |  |
| Non-Functional Requirements (if any) | 2 hours |  |  |  |  |
| Update Architectural Document | 12 hours | - | - | - |  |
| Users Subsystem | 2 hours |  |  |  |  |
| Cart Subsystem | 3 hours |  |  |  |  |
| Bank Subsystem | 2 hours |  |  |  |  |
| Shop Subsystem | 2 hours |  |  |  |  |
| Code Skeleton | 3 hours | - | - | - |  |
| Interfaces | 1 hour |  |  |  |  |
| Mock Objects | 1 hour |  |  |  |  |
| Unit Tests | 1 hour |  |  |  |  |
| Coding services | 32 hours | - | - | - |  |
| Extend Users Service | 8 hours |  |  |  |  |
| Cart Service | 8 hours |  |  |  |  |
| Bank Service | 8 hours |  |  |  |  |
| Sale Service | 8 hours |  |  |  |  |
| Testing | 24 hours |  |  |  |  |