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|----------------|--|---|-------------|-----------------|-------------------|----------------------|-------------------|--------------|
| Paquete | Puntos de Caso de Uso - Use Case Points | | | | | | | |
| | Unadjusted Use Case Points: | | | | | | | |
| | Análisis de Actores | | | | | | | |
| | Complejidad | Definición | Peso | Cantidad | Peso Total | | | |
| | Simple | Representa otro sistema con una interfase definida de aplicación programada | 1 | 2 | 2 | | | |
| | Promedio | Interactúa con otra aplicación a través de un protocolo o interacción humana a través de terminal de línea | 2 | 3 | 6 | | | |
| | Complejo | Interacción humana a través de interfase usuario gráfica | 3 | 0 | 0 | | | |
| | TOTAL | | | 5 | 8 | | | |
| | Análisis de Casos de Uso | | | | | | | |
| | Complejidad | Definición | Peso | Cantidad | Peso Total | | | |
| | Simple | Tiene 3 o menos transacciones incluyendo cursos alternativos. Casos de uso con menos de 5 objetos de análisis | 5 | 6 | 30 | | | |
| | Promedio | Tiene 3 a 7 transacciones incluyendo cursos alternativos. Casos de uso con 5 a 10 objetos de análisis | 10 | 23 | 230 | | | |
| | Complejo | Tiene más de 7 transacciones incluyendo cursos alternativos. Casos de uso con más de 10 objetos de análisis | 15 | 4 | 60 | | | |
| | TOTAL | | | 33 | 320 | | | |
| | Total de Unadjusted Case Points | | | | 328 | | | |
| | Adjusted Use Case Points: $AUCP = UUCP \times TCF \times EF$ | | | | 316,35 | | | |
| | Esfuerzo Estimado en horas: $AUCP \times 8$ | | | | 2530,78 | Hs. | 15,06418095 | meses/hombre |
| | Fases: | | | | | Precio x Hora | | |
| Analista | Especificación | | 5% | 126,54 | Hs. | 400 | 50615,648 | |
| | Análisis | | 10% | 253,08 | Hs. | 400 | 101231,296 | |
| AnalistaProgr | Diseño | | 10% | 253,08 | Hs. | 700 | 177154,768 | |
| Programador | Construcción | | 50% | 1265,39 | Hs. | 300 | 379617,36 | |
| Soporte | Integración | | 5% | 126,54 | Hs. | 200 | 25307,824 | |
| Tester | Pruebas | | 15% | 379,62 | Hs. | 200 | 75923,472 | |
| Lider | Administración | | 5% | 126,54 | Hs. | 1000 | 126539,12 | |
| | | | 100% | 2530,78 | Hs. | | 936389,488 | |

| Factor de Complejidad Técnica -Technical Complexity Factor (TCF) | | | | | |
|--|---|------|-------------|-------------|--|
| Factor | Descripción | Peso | Valor Asig. | Factor Calc | Comentarios |
| T1 | Sistema Distribuido | 2 | 0 | 0 | Central system |
| T2 | Tiempo de Respuesta, objetivos de performance | 1 | 3 | 3 | Speed is probably limited by human input |
| T3 | Eficiencia de Usuario Final | 1 | 5 | 5 | Needs to be efficient |
| T4 | Complejidad de procesamiento interno | 1 | 1 | 1 | No complex calculations |
| T5 | Codigo debe ser reusable | 1 | 2 | 2 | Code fragments should be reused |
| T6 | Easy to install | 0,5 | 0 | 0 | There is no need to have an installation process |
| T7 | Easy to use | 0,5 | 5 | 2,5 | Very user-friendly |
| T8 | Portable | 2 | 0 | 0 | No |
| T9 | Easy to change | 1 | 4 | 4 | Low maintenance cost |
| T10 | Concurrent | 1 | 0 | 0 | No |
| T11 | Includes special security objectives | 1 | 3 | 3 | Normal security |
| T12 | Provides direct access for third parties | 1 | 5 | 5 | WEB users have direct access |
| T13 | Special user training facilities are required | 1 | 1 | 1 | Few internal users, easy to use system |
| Total Technical factor (Tfactor): | | | | 26,5 | |
| | | | | 0,865 | |
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| Factor de Entorno -Environment Factor (EF) | | | | | | | | | | |
|--|--|------|-------------|-------------|---|--|--|--|--|--|
| Factor | Descripción | Peso | Valor Asig. | Factor Calc | Comentarios | | | | | |
| E1 | Familiar with the project model that is used | 1,5 | 1 | 1,5 | Most staff is not familiar with the model | | | | | |
| E2 | Application experience | 0,5 | 3 | 1,5 | Most staff has worked a few years in this applic. | | | | | |
| E3 | Object-oriented experience | 1 | 4 | 4 | Most staff is familiar with OOP | | | | | |
| E4 | Lead analyst capability | 0,5 | 1 | 0,5 | | | | | | |
| E5 | Motivation | 1 | 4 | 4 | The team is highly motivated | | | | | |
| E6 | Stable requirements | 2 | 2 | 4 | We expect some changed | | | | | |
| E7 | Part-time staff | -1 | 3 | -3 | Unfortunately several staff is half-time | | | | | |
| E8 | Difficult programming language | -1 | 3 | -3 | Java FX or similar | | | | | |
| Total Environment Factor (Efactor): | | | | 9,5 | | | | | | |
| EF = 1.4+(-0.03 × EFactor) | | | | 1,115 | | | | | | |

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|----|---|--------------------|--------------|-------------|
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| | | Complejidad | | |
| | Actores | Baja | Media | Alta |
| 1 | User | 2 | | |
| 2 | Payment Verification Company | | 1 | |
| 3 | Admin | | 2 | |
| | | | | |
| | | | | |
| | Total Actores por Complejidad | 2 | 3 | 0 |
| | | | | |
| | | Complejidad | | |
| | Caso de Uso | Baja | Media | Alta |
| 1 | Sign up | 2 | | |
| 2 | Log in | 2 | | |
| 3 | Edit | 2 | | |
| 4 | Delete account | | 3 | |
| 5 | Search for Item | | 3 | |
| 6 | Add to Cart | | 2 | |
| 7 | See Cart | | 1 | |
| 8 | Edit Cart | | 4 | |
| 9 | Check Out | | | 4 |
| 10 | Verify Payment | | 2 | |
| 11 | Database Management | | 3 | |
| 12 | Place Item | | 2 | |
| 12 | List of Products | | 1 | |
| 13 | Edit List | | 2 | |
| | | | | |
| | | | | |
| | | | | |
| | Total Casos de Uso por Complejidad | 6 | 23 | 4 |