

Postmortem Menú Planes

28/03/2017

0.1

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| --- | --- |
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**Control De Versiones**

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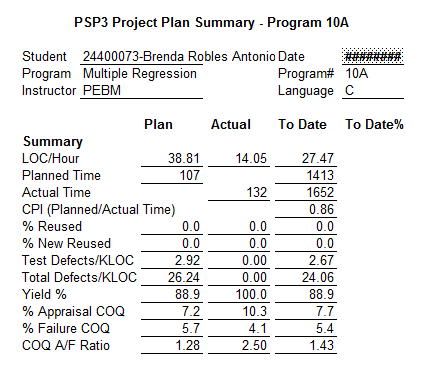
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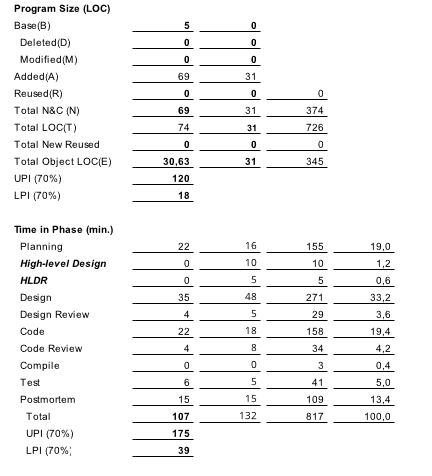
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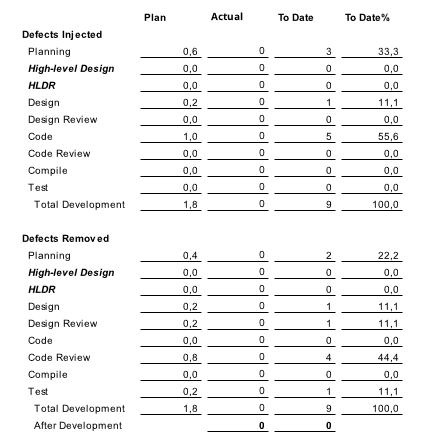
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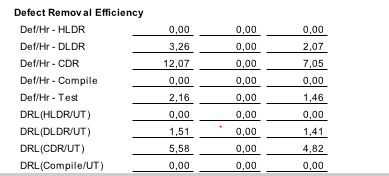
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# I.- Forma PSP Project Plan Summary.









# II.- Time Recording Log.

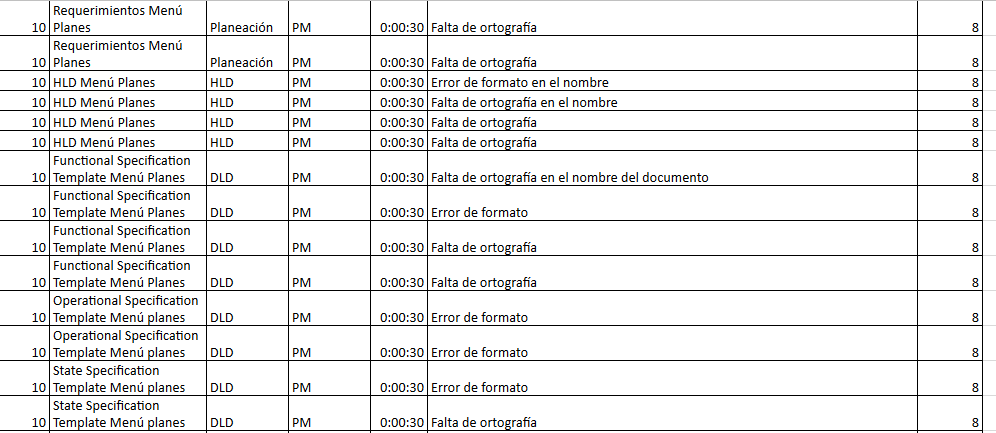


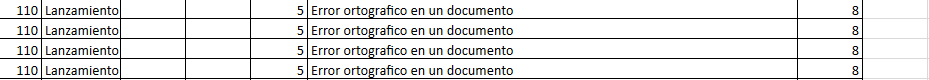






# III.- Defect Recording Log.





# IV.- Diseño.

# Functional Specification Template

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Student** | | | Brenda Robles Antonio | | **Date** | 23/03/17 |
| **Program** | | | Menú Planes | | **Program #** | N/A |
| **Instructor** | | | PEBM | | **Language** | C |
|  | | | | | | |
| **Class Name** | | void Menu\_planes() | | | | |
| **Parent Class** | | N/A | | | | |
|  | | | | | | |
| **Attributes** | | | | | | |
|  | **Declaration** | | | **Description** | | |
|  | Int opcion | | | Corresponde a la opción que el usuario eligira. | | |
|  | | | | | | |
| **Items** | | | | | | |
|  | **Declaration** | | | **Description** | | |
|  | Alta\_planes() | | | Presenta el vínculo a la alta de planes | | |
|  | Baja\_planes() | | | Presenta el vínculo a la baja de planes | | |
|  | Modificaciones\_planes() | | | Presenta el vínculo a la modificación de planes | | |
|  | printf() | | | Para imprimir directamente en la interfaz de usuario. | | |
|  | scanf() | | | Para leer datos de la interfaz de usuario. | | |

# Logic Specification Template

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Student | Brenda Robles Antonio | | Date | 23/03/17 |
| Program | Menú planes | | Program # | N/A |
| Instructor | PEBM | | Language | C |
| Object | N/A | | Function | Menu\_planes() |
| **INCLUDES:**  **Declaration:** | | #include <cstdio> | | |
|  | |  | | |

|  |  |
| --- | --- |
| **Reference:** |  |

|  |  |
| --- | --- |
| Logic reference numbers | Program logic, in pseudocode |
| 1 | Imprime el menú planes con todas sus opciones |
|  | Leer la opción del usuario |
|  | En caso de que sea 1 |
|  | Va a la función Alta\_planes() |
|  | En caso de que sea 2 |
|  | Va a la función Baja\_planes() |
|  | En caso de que sea 3 |
|  | Va a la función Modificaciones\_planes() |
|  | En caso de que sea 4 |
|  | Termina la función rompe el ciclo |
|  | Fin. |

# Operational Specification Template

|  |  |  |  |
| --- | --- | --- | --- |
| **Student** | Brenda Robles Antonio | **Date** | 23/03/17 |
| **Program** | Menu principal | **Program #** | N/A |
| **Instructor** | PEBM | **Language** | C |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Scenario Number** | **1** | **User Objective** | Seleccione ir al alta de planes | |
| **Scenario Objective** | | Pasos para ir al alta de planes | | |
| **Source** | **Step** | **Action** | | **Comments** |
| Usuario | 1 | Abrir el programa. | |  |
| Programa | 2 | Desplegar el menú planes | | Dando las opciones del menú. |
| Usuario | 3 | Ver el menú planes | | Revisar las opciones posibles |
| Usuario | 4 | Introducir opción deseada 1 | | Elegir entre las opciones posibles |
| Programa | 5 | Leer opción del usuario | | Verificar que sea válida |
| Programa | 6 | Mandar al alta de planes | | Dirige a la función de alta de planes |
| Usuario | 7 | Ver pantalla de alta de planes | | Presentar lo del módulo alta de planes |
|  |  |  | |  |
|  |  |  | |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Scenario Number** | **2** | **User Objective** | Seleccione ir a la baja de planes | |
| **Scenario Objective** | | Pasos para ver la baja de planes | | |
| **Source** | **Step** | **Action** | | **Comments** |
| Usuario | 1 | Abrir el programa. | |  |
| Programa | 2 | Desplegar el menú planes | | Dando las opciones del menú. |
| Usuario | 3 | Ver el menú planes | | Revisar las opciones posibles |
| Usuario | 4 | Introducir opción deseada 2 | | Elegir entre las opciones posibles |
| Programa | 5 | Leer opción del usuario | | Verificar que sea válida |
| Programa | 6 | Mandar a la baja de planes | | Dirige a la función de baja de planes |
| Usuario | 7 | Ver pantalla de baja de planes | | Presentar lo del módulo baja de planes |
|  |  |  | |  |
|  |  |  | |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Scenario Number** | **3** | **User Objective** | Seleccione ir a la modificación de planes | |
| **Scenario Objective** | | Pasos para ver la modificación de planes | | |
| **Source** | **Step** | **Action** | | **Comments** |
| Usuario | 1 | Abrir el programa. | |  |
| Programa | 2 | Desplegar el menú planes | | Dando las opciones del menú. |
| Usuario | 3 | Ver el menú planes | | Revisar las opciones posibles |
| Usuario | 4 | Introducir opción deseada 3 | | Elegir entre las opciones posibles |
| Programa | 5 | Leer opción del usuario | | Verificar que sea válida |
| Programa | 6 | Mandar a la modificación de planes | | Dirige a la función de modificación de planes |
| Usuario | 7 | Ver pantalla de modificación de planes | | Presentar lo del módulo modificación de planes |
|  |  |  | |  |
|  |  |  | |  |

# State Specification Template

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Student | | Brenda Robles Antonio | | | Date | | 23/03/2017 |
| Program | | Menú planes | | | Program # | | N/A |
| Instructor | | PEBM | | | Language | | C |
|  | | |  | | | | |
| Menú principal | | | | | | | |
| **State Name** | | | | **Description** | | | |
| Inicio | | | | Inicia el programa. | | | |
| Alta planes | | | | Se presentará el alta de planes | | | |
| Baja planes | | | | Se presentará la baja de planes | | | |
| Modificaciones planes | | | | Se presentará la modificación de planes | | | |
| Salir | | | | Regresa al menú principal | | | |
|  | | | |  | | | |
| **Function/Parameter** | | | | **Description** | | | |
| printf() | | | | Imprime datos en la pantalla | | | |
| scanf() | | | | Lee datos de la pantalla | | | |
| opción | | | | opción que elegirá el usuario | | | |
| Alta\_Planes() | | | | Presenta el alta de planes | | | |
| Baja\_planes() | | | | Presenta la baja de planes | | | |
| Modificaciones\_Planes() | | | | Presenta la modificación de planes | | | |
|  | | | |  | | | |
| **States/Next States** | | | | **Transition Condition** | | **Action** | |
| Inicio | | | |  | |  | |
|  | Menú planes | | | True | | printf()-imprime el menu  scanf()- lee opción | |
| Menú principal | | | |  | |  | |
|  | Alta planes | | | opción=1 | | Alta\_planes() | |
|  | Baja planes | | | opción=2 | | Baja\_planes() | |
|  | Modificación planes | | | opción=3 | | Modificaciones\_planes() | |
|  | Salir | | | opción=4 | | Fin. | |

# V.- Design CheckList.

**PSP2 Design Review Checklist**

|  |  |  |  |
| --- | --- | --- | --- |
| Student | René Moratilla Montes | Date | 23/03/2017 |
| Program | Menú Planes | Program # | N/A |
| Instructor | PEBM | Language | C |

|  |  |
| --- | --- |
| Purpose | To guide you in conducting an effective design review |
| General | - Review the entire program for each checklist category; do not attempt to review for more than one category at a time!  - As you complete each review step, check off that item in the box at the right.  - Complete the checklist for one program or program unit before reviewing the next. |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Complete | Verify that the design covers all of the applicable requirements.  - All specified outputs are produced.  - All needed inputs are furnished.  - All required includes are stated. | MB  X  X  X | B | R | M |
| External Limits | Where the design assumes or relies upon external limits, determine if behavior is correct at nominal values, at limits, and beyond limits. |  |  |  |  |
| Logic | - Verify that program sequencing is proper.  Stacks, lists, and so on are in the proper order.  Recursion unwinds properly.  - Verify that all loops are properly initiated, incremented, and terminated.  - Examine each conditional statement and verify all cases. | X        X | X |  |  |
| Internal Limits | Where the design assumes or relies upon internal limits, determine if behavior is correct at nominal values, at limits, and beyond limits. |  |  |  |  |
| Special Cases | - Check all special cases.  - Ensure proper operation with empty, full, minimum, maximum, negative, and ero values for all variables.  - Protect against out-of-limits, overflow, and underflow conditions.  - Ensure “impossible” conditions are absolutely impossible.  - Handle all possible incorrect or error conditions. | X  X    X  X  X |  |  |  |
| Functional Use | - Verify that all functions, procedures, or methods are fully understood and properly used.  - Verify that all externally referenced abstractions are precisely defined. | X    X |  |  |  |
| System Considerations | - Verify that the program does not cause system limits to be exceeded.  - Verify that all security-sensitive data are from trusted sources.  - Verify that all safety conditions conform to the safety specifications. | X    X    X |  |  |  |
| Names | Verify that  - all special names are clear, defined, and authenticated  - the scopes of all variables and parameters are self-evident or defined  - all named items are used within their declared scopes |  | X  X  X |  |  |
| Standards | Ensure that the design conforms to all applicable design standards. | X |  |  |  |

# VI.- Programa Fuente.

/\*=========================================================\*/

/\*Autor: René Moratilla Montes \*/

/\*Componente: Menú Planes \*/

/\*Fecha: 23/03/2017 \*/

/\*Descripción: Codificación que muestra el menú planes\*/

/\*Versión: 0.1 \*/

/\*=========================================================\*/

/\*==========================================================\*/

/\* El programa contiene lo siguiente: \*/

/\* void menu\_planes() \*/

/\* int main() \*/

/\*==========================================================\*/

#include <iostream>

#include <cstdio>

#include <cstdlib>

using namespace std;

/\*\*\*Esta función se encarga de presentar el menú principal y redireccionar a la opción que el usuario eligió\*\*\*/

void menu\_planes()

{

char opcion;

do

{

system("cls");

printf(" °----------------------------------------------------------°\n");

printf(" | ============== Sistema Acad%cmico =============== |\n",138);

printf(" °----------------------------------------------------------°\n");

printf(" °----------------------------------------------------------°\n");

printf(" ! Introduce la selección de men%c: !\n\n",163);

printf(" ! 1) Alta Planes !\n\n");

printf(" ! 2) Baja Planes !\n\n");

printf(" ! 3) Modificaciones Planes !\n\n");

printf(" ! 4) Volver al men%c principal !\n\n",163);

printf(" °----------------------------------------------------------°\n");

printf(" Opci%cn .-",162);

scanf("%c",&opcion);

switch(opcion)

{

case '1':

{

printf("Selecci%cn alta de planes\n",162);

system("pause");

//alta\_maestros();

break;

}

case '2':

{

printf("Selecci%cn baja planes\n",162);

system("pause");

//baja\_maestros();

break;

}

case '3':

{

printf("Selecci%cn modificaciones planes\n",162);

system("pause");

//modificaciones\_maestros();

break;

}

case '4':

{

printf("Regresando al men%c principal...\n",163);

system("pause");

break;

}

default:

{

printf("Opci%cn incorrecta...\n",162);

system("pause");

break;

}

}

}

while(opcion!='4');

}

int main()

{

menu\_planes();

return 0;

}

# VII.- Code CheckList.

# Revisión codificación

**Code Review Checklist**

|  |  |  |  |
| --- | --- | --- | --- |
| Student | Brenda Robles Antonio | Date | 23/03/17 |
| Program | Menú Planes | Program # | N/A |
| Instructor | PEBM | Language | C |

|  |  |
| --- | --- |
| Purpose | To guide you in conducting an effective code review |
| General | - Review the entire program for each checklist category; do not attempt to review for more than one category at a time!  - As you complete each review step, check off that item in the box at the right.  - Complete the checklist for one program or program unit before reviewing the next. |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Complete | Verify that the code covers all of the design. | MB | B | R | M |
| Includes | Verify that the includes are complete. | X |  |  |  |
| Initialization | Check variable and parameter initialization.  - at program initiation  - at start of every loop  - at class/function/procedure entry | X  X  X |  |  |  |
| Calls | Check function call formats.  - pointers  - parameters  - use of ‘&’ | X  X  X |  |  |  |
| Names | Check name spelling and use.  - Is it consistent?  - Is it within the declared scope?  - Do all structures and classes use ‘.’ reference? | X  X  X |  |  |  |
| Strings | Check that all strings are  - identified by pointers  - terminated by NULL | X  X |  |  |  |
| Pointers | Check that all  - pointers are initialized NULL  - pointers are deleted only after new  - new pointers are always deleted after use | X  X  X |  |  |  |
| Output Format | Check the output format.  - Line stepping is proper.  - Spacing is proper. | X  X |  |  |  |
| () Pairs | Ensure that () are proper and matched. |  |  |  |  |
| Logic Operators | - Verify the proper use of ==, =, ||, and so on.  - Check every logic function for (). | X  X |  |  |  |
| Line-by-line check | Check every line of code for  - instruction syntax  - proper punctuation |  | X  X |  |  |
| Standards | Ensure that the code conforms to the coding standards. |  |  |  |  |
| File Open and Close | Verify that all files are  - properly declared  - opened  - closed | X  X  X |  |  |  |

# VIII.- Reporte de resultados.

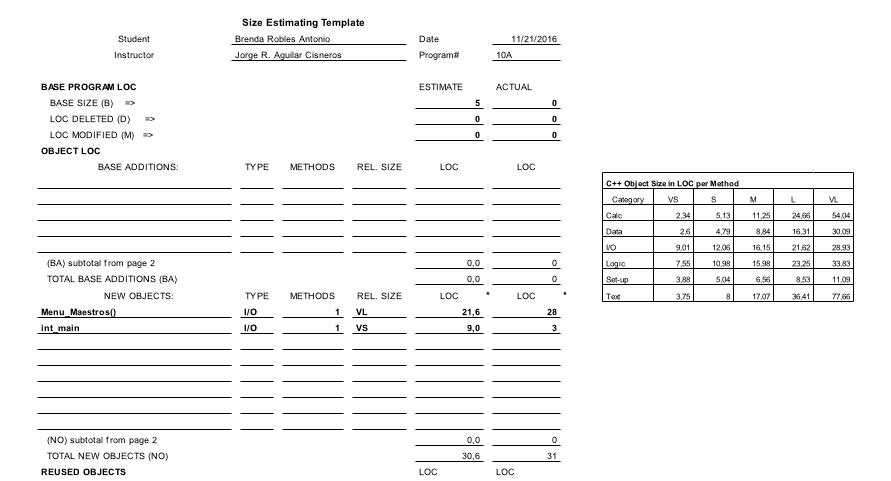
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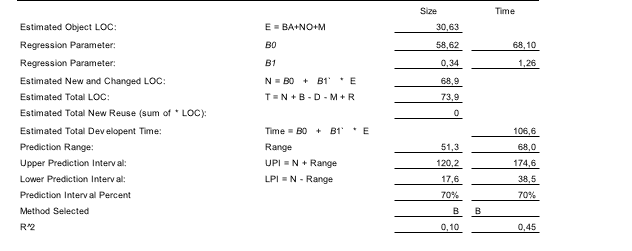
|  |  |
| --- | --- |
| Nombre de la Prueba |  |
| Caso de Uso |  |
| Objetivo de la Prueba |  |
| Descripción de la Prueba |  |
| Test |  |
| Resultados Esperados |  |
| Capturas de pantalla |  |
| Estado caso de prueba | Posibles estados:   * Ejecutado * Exitoso * Fallido * Frenado * Pendiente de ejecución * En construcción |
| Errores obtenidos |  |
| Responsable de prueba |  |
| Comentarios |  |

# IX.- PIP

|  |  |  |
| --- | --- | --- |
| Nombre Módulo | | |
| No. PIP | Descripción del Problema | Descripción de la propuesta. |
|  |  |  |
|  |  |  |
| Nombre Módulo | | |
| No. PIP | Descripción del Problema | Descripción de la propuesta. |

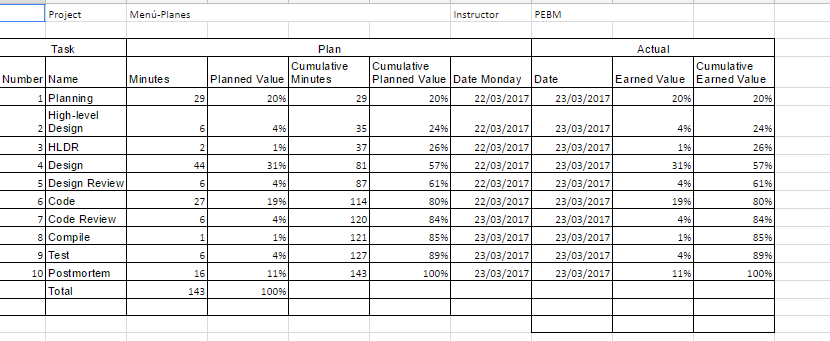
# X.- Size Estimating Template





# XI.- Task and Schedule

Task



Schedule

