BeNutritious

PSP Report

**Submitted For:**

SER515 – Software Enterprise: Inception and Elaboration.

Arizona State University

**Submitted By:**

Akash Chugh

ASU ID: 1211165446

Email: Akash.Chugh@asu.edu

Contents

[1. PSP0 Project Plan Summary 3](#_Toc468478492)

[2. PSP Time Recording Log 4](#_Toc468478493)

[3. PSP Defect Recording Log 5](#_Toc468478494)

# PSP0 Project Plan Summary

|  |  |  |  |
| --- | --- | --- | --- |
| Student | Akash Chugh | Date | 17th October, 2016 |
| Program | Nutritional Data | Program # | #1 |
| Instructor | Timothy Lindquist | Language | Java |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Time in Phase (min.)** | **Plan** |  | **Actual** |  | **To Date** |  | **To Date %** |
| Planning | 420 |  | 525 |  | 525 |  | 11 % |
| Design | 1800 |  | 1620 |  | 1620 |  | 34.8 % |
| Code | 1800 |  | 2035 |  | 2035 |  | 43.7 % |
| Compile | 30 |  | 35 |  | 35 |  | .75 % |
| Test | 180 |  | 255 |  | 255 |  | 5.4 % |
| Postmortem | 120 |  | 180 |  | 180 |  | 3.8 % |
| Total | 4350 |  | 4650 |  | 4650 |  |  |
|  |  |  |  |  |  |  |  |
| **Defects Injected** |  |  | **Actual** |  | **To Date** |  | **To Date %** |
| Planning |  |  | - |  | - |  |  |
| Design |  |  | 10 |  | 10 |  | 43.4 % |
| Code |  |  | 13 |  | 13 |  | 56.5 % |
| Compile |  |  | - |  | - |  |  |
| Test |  |  | - |  | - |  |  |
| Total Development |  |  | 23 |  | 23 |  |  |
|  |  |  |  |  |  |  |  |
| **Defects Removed** |  |  | **Actual** |  | **To Date** |  | **To Date %** |
| Planning |  |  | - |  | - |  |  |
| Design |  |  | 6 |  | 6 |  | 26 % |
| Code |  |  | 9 |  | 9 |  | 39.1 % |
| Compile |  |  | 3 |  | 3 |  | 13 % |
| Test |  |  | 5 |  | 5 |  | 21.7 % |
| Total Development |  |  | 23 |  | 23 |  |  |
| After Development |  |  |  |  |  |  |  |

# PSP Time Recording Log

|  |  |  |  |
| --- | --- | --- | --- |
| Student | Akash Chugh | Date | 2nd October, 2016 |
| Program | Nutritional Data | Program # | #1 |
| Instructor | Timothy, Lindquist | Language | Java |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Date** | **Phase** | **Start Time** | **Int. Time** | **Stop Time** | **Delta**  **Time** | **Comments** |
| 2nd October | Planning | 13:00 | 0 | 13:10 | 10 | Obtain forms and Scripts |
|  | Planning | 13:10 | 0 | 14:15 | 65 | Obtain requirements statement |
|  | Planning | 14:15 | 0 | 14:30 | 15 | Ensure requirements are clear and unambiguous |
|  | Planning | 14:30 |  | 14:50 | 20 | Resolve any questions |
|  | Planning | 16:30 | 60 | 20:25 | 175 | Produce Conceptual Design |
|  | Planning | 23:00 |  | 0:30 | 60 | Estimate the product size |
| 3rd October, 2016 | Planning | 00:30 |  | 01:45 | 75 | Produced the schedule of the project |
|  | Planning | 11:00 |  | 12:00 | 60 | Completed the project plan summary |
|  | Planning | 12:00 |  | 12:15 | 15 | Completed the task schedule and planning sheet |
|  | Planning | 17:00 |  | 17:30 | 30 | Record time in time recording log |
| 5th October, 2016 | Design | 13:00 | 120 | 21:00 | 600 | Produce the Design after reviewing the requirements |
|  | Design | 23:00 | 30 | 02:30 | 150 | Producing the design |
| 6th October | Design | 20:00 | 60 | 01:00 | 240 | Producing the design |
| 7th October, 2016 | Design | 08:00 | 60 | 11:30 | 120 |  |
|  | Design Review | 02:00 | 60 | 17:30 | 150 | Reviewing the design parameters |
|  | Design  Review | 19:00 | 60 | 02:00 | 360 | Reviewing the flow |
|  | Design  Review | 02:00 | 00 | 02:30 | 30 | Record defects in Defect Recording Log |
| 9th October | Code | 11:00 | 60 | 15:00 | 180 | Review the design and start creating the activities and classes. |
|  | Code | 17:00 | 90 | 23:00 | 270 | Create further classes and load the database |
| 12th October | Code | 11:00 | 60 | 14:00 | 120 | Implemented the classes and created new activities |
|  | Code | 15:00 | 00 | 19:00 | 240 | Created various user interfaces for various activities |
|  | Code | 23:00 |  | 01:00 | 120 | Formatted the new resources(Interfaces) and mapped them to the activities. |
| 14th October | Code | 11:00 |  | 15:00 | 240 | Mapped the functionalities of each of the buttons and implemented the actual flow |
|  | Code | 18:00 | 60 | 23:00 | 240 | Extracted the data and placed them in the proper interfaces.  Map the correct values to the correct interfaces and display appropriate data as per the button’s functionality. |
| 15th October | Code Review | 11:00 | 60 | 17:00 | 300 | Review code and fix defects |
|  | Code Review | 20:00 | 45 | 02:30 | 325 | Review code and fix defects |
|  |  |  |  |  |  |  |
| 16th October | Testing | 11:00 | 120 | 14:00 | 180 | Test the various test cases |
|  |  |  |  |  |  |  |
| 17th October | Testing(Fixing Defects) | 11:00 | 80 | 15:00 | 75 | Fixing defects |
|  | Postmortem | 17:00 | 60 | 21:00 | 180 | Completing the PSP plan summary, the defect logs and the time log. |
|  |  |  |  |  |  |  |

# PSP Defect Recording Log

|  |  |
| --- | --- |
| Defect Types |  |
| 10 Documentation | 60 Checking |
| 20 Syntax | 70 Data |
| 30 Build, Package | 80 Function |
| 40 Assignment | 90 System |
| 50 Interface | 100 Environment |

|  |  |  |  |
| --- | --- | --- | --- |
| Student | Akash Chugh | Date | 17th October, 2016 |
| Program | Nutritious Data | Program # | #1 |
| Instructor | Timothy Lindquist | Language | Java |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Project |  | Date |  | Number |  | Type |  | Inject |  | Remove |  | Fix Time |  | Fix Ref. |
|  | BeNutritious |  | 7thOct |  | 1 |  | 60 |  | Design |  | Design Review |  | 30 |  |  |
| Description: | | The dive deeper button is already present before the total calorie value is displayed (After animating). The delay of the button visibility is set as per the animator. | | | | | | | | | | | | | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | Project |  | Date |  | Number |  | Type |  | Inject |  | Remove |  | Fix Time |  | Fix Ref. | | |  | BeNutritious |  | 7thOct |  | 2 |  | 80 |  | Design |  | Unit Test |  | 10 |  |  | | | Description: | | The application was allowing the user to proceed without choosing the lifestyle option | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | Project |  | Date |  | Number |  | Type |  | Inject |  | Remove |  | Fix Time |  | Fix Ref. | | |  | BeNutritious |  | 7thOct |  | 3 |  | 80 |  | Design |  | Design Review |  | 120 |  |  | | | Description: | | There were redundant rows and these were normalized later to make them more efficient and optimized. | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | Project |  | Date |  | Number |  | Type |  | Inject |  | Remove |  | Fix Time |  | Fix Ref. | | |  | BeNutritious |  | 7thOct |  | 4 |  | 80 |  | Design |  | Design Review |  | 30 |  |  | | | Description: | | Initially there was a single table, later the tables were broken into many smaller tables. | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | Project |  | Date |  | Number |  | Type |  | Inject |  | Remove |  | Fix Time |  | Fix Ref. | | |  | BeNutritious |  | 17th Oct |  | 5 |  | 80 |  | Design |  | Unit Test |  | 20 |  |  | | | Description: | | The application was not considering the quantity factor, but later it was taken into consideration. | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | Project |  | Date |  | Number |  | Type |  | Inject |  | Remove |  | Fix Time |  | Fix Ref. | | |  | BeNutritious |  | 7thOct |  | 6 |  | 80 |  | Design |  | Design Review |  | 45 |  |  | | | Description: | | There was no separation of concern but later the database and the various classes were separated. | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | Project |  | Date |  | Number |  | Type |  | Inject |  | Remove |  | Fix Time |  | Fix Ref. | | |  | BeNutritious |  | 17th Oct |  | 7 |  | 80 |  | Design |  | Unit Test |  | 30 |  |  | | | Description: | | Even if the user does not input his/her name the application allows the user to proceed. | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | Project |  | Date |  | Number |  | Type |  | Inject |  | Remove |  | Fix Time |  | Fix Ref. | | |  | BeNutritious |  | 17th Oct |  | 8 |  | 80 |  | Design |  | Unit Test |  | 20 |  |  | | | Description: | | The application was allowing the user to proceed without capturing the age | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | Project |  | Date |  | Number |  | Type |  | Inject |  | Remove |  | Fix Time |  | Fix Ref. | | |  | BeNutritious |  | 7thOct |  | 9 |  | 60 |  | Design |  | Design Review |  | 120 |  |  | | | Description: | | The database access was being too frequent. Devised a strategy to limit the number of access | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | Project |  | Date |  | Number |  | Type |  | Inject |  | Remove |  | Fix Time |  | Fix Ref. | | |  | BeNutritious |  | 7thOct |  | 10 |  | 80 |  | Design |  | Design Review |  | 45 |  |  | | | Description: | | The buttons dive deeper and make more sense were displaying redundant data | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |
|  | Project |  | Date |  | Number |  | Type |  | Inject |  | Remove |  | Fix Time |  | Fix Ref. |
|  | BeNutritious |  | 17th Oct |  | 11 |  | 40 |  | Code |  | Code Review |  | 20 |  |  |
| Description: | | Extracted the age from EditText as string and was using the age as integer. | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |
|  | Project |  | Date |  | Number |  | Type |  | Inject |  | Remove |  | Fix Time |  | Fix Ref. |
|  | BeNutritious |  | 17th Oct |  | 12 |  | 50 |  | Code |  | Code Review |  | 70 |  |  |
| Description: | | The Next button’s text was not properly displayed.(Height of the button was wrongly fixed) | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |
|  | Project |  | Date |  | Number |  | Type |  | Inject |  | Remove |  | Fix Time |  | Fix Ref. |
|  | BeNutritious |  | 17th Oct |  | 13 |  | 80 |  | Code |  | Code Review |  | 120 |  |  |
| Description: | | Nothing happens when the button make more sense in clicked. There was no onClick function assigned to the button. | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |
|  | Project |  | Date |  | Number |  | Type |  | Inject |  | Remove |  | Fix Time |  | Fix Ref. |
|  | BeNutritious |  | 17th Oct |  | 14 |  | 70 |  | Code |  | Code Review |  | 60 |  |  |
| Description: | | The question are you pregnant appears when the user chooses male as his gender. (The conditions were inversed by mistake so the functionalities that should have worked for male and female were also inversed) | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |
|  | Project |  | Date |  | Number |  | Type |  | Inject |  | Remove |  | Fix Time |  | Fix Ref. |
|  | BeNutritious |  | 17th Oct |  | 15 |  | 50 |  | Code |  | Code Review |  | 40 |  |  |
| Description: | | The string that was passing the column name was wrongly set | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |
|  | Project |  | Date |  | Number |  | Type |  | Inject |  | Remove |  | Fix Time |  | Fix Ref. |
|  | BeNutritious |  | 17th Oct |  | 16 |  | 80 |  | Code |  | Code Review |  | 60 |  |  |
| Description: | | The function was returning a cursor when I wanted a list. Hence the signature and some minor logic changes were completed) | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |
|  | Project |  | Date |  | Number |  | Type |  | Inject |  | Remove |  | Fix Time |  | Fix Ref. |
|  | BeNutritious |  | 17th Oct |  | 17 |  | 100 |  | Code |  | Unit Testing |  | 20 |  |  |
| Description: | | The new updated database values were not getting reflected. (uninstalled and reinstalled the application to load the new database again) | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Project |  | Date |  | Number |  | Type |  | Inject |  | Remove |  | Fix Time |  | Fix Ref. |
|  | BeNutritious |  | 17th Oct |  | 18 |  | 40 |  | Code |  | Code Review |  | 60 |  |  |
| Description: | | The values for calcium and magnesium were interchanged. (These were corrected by correcting the assignment statements) | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Project |  | Date |  | Number |  | Type |  | Inject |  | Remove |  | Fix Time |  | Fix Ref. |
|  | BeNutritious |  | 17th Oct |  | 19 |  | 50 |  | Code |  | Compile |  | 10 |  |  |
| Description: | | Missing parenthesis in the if statement | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Project |  | Date |  | Number |  | Type |  | Inject |  | Remove |  | Fix Time |  | Fix Ref. |
|  | BeNutritious |  | 17th Oct |  | 20 |  | 40 |  | Testing |  | Code Review |  | 120 |  | X |
| Description: | | The next screen’s button appears in the current screen. (The buttons were rerouted to the correct layout) | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Project |  | Date |  | Number |  | Type |  | Inject |  | Remove |  | Fix Time |  | Fix Ref. |
|  | BeNutritious |  | 17th Oct |  | 21 |  | 50 |  | Code |  | Code Review |  | 60 |  |  |
| Description: | | The font of the text that was animating was white and the background color was also set to white. | | | | | | | | | | | | | |
|  | |  | | | | | | | | | | | | | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | Project |  | Date |  | Number |  | Type |  | Inject |  | Remove |  | Fix Time |  | Fix Ref. | |  | BeNutritious |  | 17th Oct |  | 22 |  | 50 |  | Code |  | Compile |  | 15 |  |  | | Description: | | Missing Semicolon | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | Project |  | Date |  | Number |  | Type |  | Inject |  | Remove |  | Fix Time |  | Fix Ref. | |  | BeNutritious |  | 17th Oct |  | 23 |  | 50 |  | Code |  | Compile |  | 10 |  |  | | Description: | | Missing Import statement | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |