**ITT-310 Design Report Template**

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| **Topic:** | *Milestone 2* |
| **Date:** | *4/4/2021* |
| **Revision:** | *1.3* |
| **Milestone Summary:** | |  |  |  | | --- | --- | --- | | **User Story / Task** | **Hours Worked** | **Hours Remaining** | | **Allow user to choose hourly or salaried employment type** |  |  | | *If hourly, allow user to input hours worked* |  |  | | *Allow user to input amount paid per hour* |  |  | | *Program returns monthly income amount* |  |  | | *If salary, allow user to enter amount made per month* |  |  | | *User inputs spending category* |  |  | | *User inputs spending amount* |  |  | | *Program details category, remaining income, and current spending* |  |  | | *Program includes budget summary at end* |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |
| **GIT URL:** | *https://github.com/CarolinaDawn/ApplicationRelease/blob/master/Program.c* |

**Design Documentation**

**General Technical Approach:**

*This application is a simple budget application for someone to track their monthly income and spending. By using functions, structure, and calculations they can enter their hourly or salary wages followed by their spending until they reach $0.*

**Application Logic Design:**

*Appropriate flow chart and pseudocode used to support the design of the application.*

**Risks and Issues:**

*There are a few risks to consider in this design. Adding multiple users to the program could end up crashing the program or overwriting the budget of one user by another. It is not currently ready to support more than one user at a time, as it is likely the program would crash or be overwritten. Another concern is the programs tendency to be unable to process more than one incorrect input at a time. I have not tested this instance, but there is room for 100 categories. There is a risk of the program being unstable if someone were to need 100+ categories.*

**Other Documentation:**

*Remaining tasks:*

*Add category list for user to choose from*

*Test what happens if they enter a number outside the available category options*