**Criterion B: Record of tasks**

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| Task Number | Planned Action | Planned outcome | Time estimated | Target completion date | Criterion |
| 1 | Brainstorming | Determine Project | 1 week | 10/20/2016 | A |
| 2 | Design Mock Up | Mockup of GUI | 1 week | 10/27/2016 | B |
| 3 | Create Flowchart | Basic logic flowchart for application | 1 day | 12/15/2016 | C |
| 4 | Begin coding enum for Periodic Table and code basic GUI to enter data | Functional enum that retrieves data such as atomic number and amu of elements and functional EmpirFormulaSolver that can take in atomic symbol and return the atomic mass | 1 month, 2 weeks | 1/29/2017 | D |
| 5 | Found Periodic Table | Enum to find and return molar mass found, reduces work needed | 1 day | 1/29 | D |
| 6 | Begin Coding Logic for Formulas | Have methods ready to readily calculate necessary formulas | 1 week | 2/5 | E |
| 7 | Begin Designing GUI For Input | GUI with textboxes available for user to input elements and percent. Calculations can still returned in console | 2 weeks | 2/19 | F |
| 8 | Return Calculations on GUI | Calculated Formula is readily returned to the GUI. | 1 week | 2/26 | G |
| 9 | Instructions on Calculations Screen | Steps to get calculations shows on separate screen | 2 weeks | 3/12 | H |
| 10 | Bug Testing | Finalize GUI, add Exception Handling, test for accuracy | 1 week | 3/19 | I |
| 11 | Upload to CD | Export jar for upload to CD and IB | 4 days | 3/23 | J |