There are 7 modules total in the ver2 of the program. Any methods doing date or time conversion have been abstracted into their own DateHelper & TimeHelper classes respectively. The Singleton design pattern was used for both of these modules to insure they don’t have multiple instances of each existing in the script.

The Command interface is used to create different kinds of commands for the application. The first implementation of this is the Report class, which has the functionality to build a report of the most time consuming tasks. The Builder design pattern is used with this module via the ReportBuilder class. Then finally the main program calls upon ReportBuilder to create a Report and execute the logic to give an output.

Lastly db\_crud.py is a module that contains all methods related to task management in the database. This includes different variants of most of the CRUD operations. More specifically, flexible query methods along with task creation methods are present here.

