Individual Project Document

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## Requirements

Epics and User Stories

**Version 1**

As a student, I want to record my time usage so that I can keep track of time usage.

User Stories:

* Keeping track of my schedule is key to me completing my homework and projects on time.
* Keeping track of a schedule will increase the likelihood that I succeed in my plans.

Related Features:

* Entries for specific tasks will be made with their relevant information and be stored in a database to allow these entries to be queried at a later date.

As a user, I want to type “today 09:30 10:30 ‘studied Java’ :STUDY”(DATE FROM TO TASK TAG format) as an input to the application so I can make a database record and store it in the database.

User Stories:

* I would like to make entries for specific tasks I need to complete and store them so I may query them at a later date.

Related Features:

* Entries will be made to the database with the (DATE FROM TO TASK TAG) format with a date, a starting and ending time, the type of task, and associated tag for the entry.

As a user, I want flexibility in how I specify the date by using the form 2022/09/23 and being able to add AM or PM to the FROM or TO sections of a command because I want to specify elements relevant to keeping track of my schedule.

User Stories:

* I would like the capability to track tasks in a logical way based on standard time keeping formats.

Related Features:

* Based on the format of (DATE FROM TO TASK TAG), a date will be specified in the form of YEAR/MONTH/DAY and the FROM and TO sections will allow for AM and PM to be specified.

As a user, I want to query my time usage from a database by specifying a date, task, or tag related to specific entries because it gives me a way to display useful information for keeping track of my schedule.

User Stories:

* Searching for entries based on a variety of needs is important so I can see what I need to complete on a specific day and what are all the tasks I must complete for a specific project or type of task.

Related Features:

* A way to specify you are querying an entry in the a database with a specific format that allows for a date, task, or tag to be specified.

As a user, I care little about what programming language or database is used because all I am looking for is functionality.

User Stories:

* My needs are basic and solely based around having a functioning command-line task tracking application.