Functional Requirements

System must read the transcripts from a json file for each student such as "150119055.json" and update these files at the end of the run.

System must have a parameters.json file to read system parameters from.

System must allow users enter the system if their name and password are registered.

System must compute course prerequisites to register a course.

System must allow advisors to deny or approve a student to take a course.

Non-Functional Requirements:

Outputs, system logs and variable names must be clear, understandable, easy names for users and developers.

New courses, advisors, students are added, system must be integrated without any bugs.

The source code must be tested and can not include any bugs.

All data must be stored in json files.

The source code must be easy to understand.

All possible errors must be logged to a file