UTD Computer Science Graduate Office Degree Planning & Audit Tool

Goals and Objectives

Project Goal:

Create a tool that allows the Graduate Advising Office to speed up the degree planning and auditing process by creating a tool that allows Degree Plan Evaluators to minimally enter student information to produce a degree plan and audit report

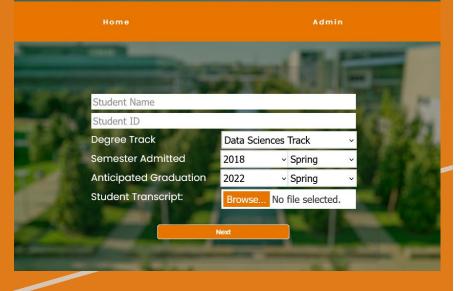
Approach:

Create a web application with simplistic data entry and a clear workflow that encourage swift student data entry.

Front-end web page with three well-constructed forms for filling in student information. Front-end administration page to make updating degree information a breeze. Back-end PDF generation, transcript parsing, and database interfacing to help speed up degree evaluations as much as possible.

Form 1 General Student Information

DEGREE PLANNING AND AUDIT TOOL



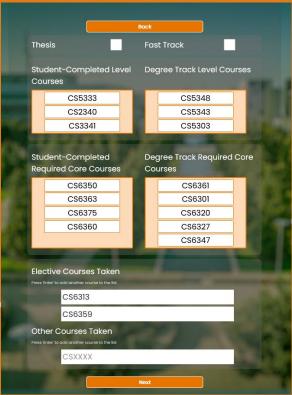
Form One

Requires general student information to help determine which courses are required in their degree.

Information for Form One:

- Student Name
- Student ID
- Major Degree Track
- Admitted Semester
- Anticipated Graduation
- (Optional) Upload Transcript

Form 2 Completed Student Courses



Form Two

Gathers information about which courses students have completed towards their degree. Divided between Level, Required Core, and Elective/Other courses. This form includes Drag and Drop for degree track courses and manual entry for Elective courses and other taken courses.

Information for Form Two:

- Thesis or Fast Track designation
- Completed Level Courses
- Completed Core Courses
- Completed Elective Courses
- Completed Other Courses

Form 3 Course Fill-in



Form Three

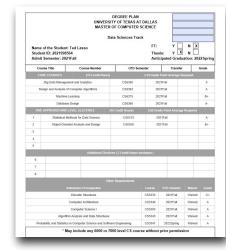
Gathers information about each individual course, used in GPA calculations and report generation. Information important toward the degree plan generation.

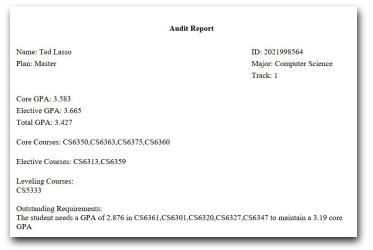
Information for Form Three:

- Course Grade
- Course Waive/Transfer Designation
- Semester Course was taken in

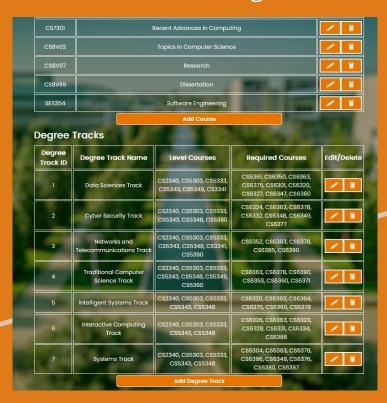
Results







Admin Page Edit courses and degree tracks



Admin Page

Allows information about courses offered, degree tracks offered, and GPA requirements across the tool.

Each item displayed is editable, and degree tracks and courses can be added or removed as desired.

Limitations

While useful, the transcript parsing is limited and must be used carefully.

UTD Unofficial Transcript does not include this information available for use:

- Degree Track student is taking
- Anticipated Graduation Date
- Distinction between types of courses taken (level, core, elective, etc.)

Information in Transcript but not pulled with parser:

Student Thesis/Fast Track distinction

Tool Setup

Initial tool setup requires:

- UTD Website space with a web server set up (preferably by OIT)
- Administrator credentials set up
- Migration of web server and database from development environment to new web server.
- A web URL created.

For degree plan evaluators:

Accessing the web site using the provided URL

Thank you for listening