

PhD Tracking System

Scope:

The Computer Science Department at The University of Texas at El Paso recognizes the complexity in tracking the progress of individual graduate students - former or current - as well as analyze trends in the graduate student population. The Department wants a system that would aid their analysis of individuals' progress, history, achievements, and current status in their respective graduate program, as well as aid in noticing trends in the overall student population. Additional to this, the Department would like the system to accept updates from former students in terms of their achievements, funding, and positions since graduating.

Requirements:

- [1] The system shall work on UTEP servers.
- [2] The system shall use a database.
- [3] The system shall allow the database to be modifiable.
- [4] The system shall store graduate student's first names in the database.
- [5] The system shall store graduate students' last names in the database.
- [6] The system shall store graduate students' advising documents in the database.
- [7] The system shall store graduate students' awards received in the database.
- [8] The system shall store graduate students' GPA in the database.
- [9] The system shall store graduate students' faculty defined milestones in the database.
- [10] The system shall store graduate students' committee members in the database.
- [11] The system shall store graduate students' thesis proposals in the database.
- [12] The system shall store graduate students' current curriculum in the database.
- [13] The system shall store graduate students' timeline of when future milestones are expected.
- [14] The system shall store former graduate students' current profession.
- [15] The system shall store former graduate students' recent achievements.
- [16] The system shall be able to export reports on students
- [17] The system shall store a list of students that have published.
- [18] The system shall store a list of students that have attended conferences.
- [19] The system shall store a list of each professors' students.
- [20] The system shall allow administrative users to access all information in the system.
- [21] The system shall allow student users to view their own personal information.
- [22] The system shall allow former student to view their own personal information.
- [23] The system shall allow faculty to access their students' information.

ER diagram:

Diagram on next page.

