Project Proposal

Erin Goeke

March 28, 2017

1   Database Domain

For my project I would like to create a scheduling database for myself. This database will include my courses, extracurriculars, tasks, grades, a profile of myself, and positive messages.

I would like this database so I can keep better track of my current standing as a student and analyze trends in my performance. I also believe it will boost my confidence (hence the positive messages :-)), performance and contain information which I am prone to forgetting (ie my SSN, license number, insurance, etc). "Super Planner" best describes the domain of my database.

2   User Requirements

1. **Add/remove a Course**

2. **Add/remove an Extracurricular**

3. **Add/remove a Semester**

4. **Add/remove a Task**

5. **Update a Task's completion status**

6. **Update a Task's grade (or quality of completion)**

7. **Add/remove/update attribute to Profile**

8. **Add/remove positive comments :-)**

3   Data Requirements

Entities

All of the below will also have their own unique index generated with the table.

3.1   Course

Contains meeting days, meeting times, professor (People Index #), attendance weighting on final grade, days class has been missed, days excused.

3.2   Extracurricular

Contains meeting days, meeting times, supervisor (People Index #).

3.3   Tasks

Contains due date, start date, grade, course number, and extracurricular number. Course number or extracurricular number must be NULL, but not both. These numbers will link back to the task's associated course/extracurricular.

3.4   Profile

Undecided number of attributes. Current attributes include: full name, cumulative GPA, current GPA, SSN, date of birth, blood-type, license plate number insurance number, health-care provider. fullName, bloodtype and date of birth are both CHARACTERs containing their respective information. Cumulative GPA and current GPA are both FLOAT s with a precision of 5. Health care provider is a VARCHAR containing the name of my current health care provider. SSN, license plate number, and insurance number are all INTEGERs with 0s replacing unused digits.

3.5   PositiveComments

Two attribute: Comment index and comment. The comment index is a unique INTEGER identifying each positive comment. The comment is a VARCHAR containing a positive comment from me to me :-)

3.6   People

Contains person's name, email, phone-number and office hours. Office hours
and phone-number may be NULL.