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== Client/server system to manage tutoring appointments and reporting. ==  
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Server application:

- daemon (no interface)
- send email
- C/C++ program
- run on OpenBSD (cs.csis.work server)

Client application:

- command line interface
- cross-platform (MS-Windows, Linux, BSD)

Client application:

- GUI interface
- run on MS-Windows

Client application:

- Browser based interface
- Responsive design

Application requirements:

- Access levels - admin, faculty, tutor, student

Admin account data -

- userID/email, name, password, last login datetime

Faculty account data -

- userID/email, name, password, last login datetime

Tutor account data -

- userID/email, name, password, last login datetime

Tutor schedule data -

- course, days and hours available

Student account data -

- userID/email, name, password, phone, last activity datetime

Appointment data -

- datetime, tutor, student, course, completed

Admin privileges/actions -

- add/edit/delete admin
- add/edit/delete faculty
- add/edit/delete tutor
- add/edit/delete tutor schedule
- purge student accounts by date of last activity
- purge appointment data by date range
- run report on demand
- schedule report to be sent by email (daily, weekly)
- self-service password reset

Faculty privileges/actions -

- run report on demand
- schedule report to be sent by email (daily, weekly)
- self-service password reset

Tutor privileges/actions -

- display scheduled appointments (self only)
- mark appointment as complete
- add/edit/delete appointment (walk-in)
- self-service password reset

Student privileges/actions -

- register/edit account - requires UNA email confirmation to activate
- view available tutors - by date range and course
- add/edit/delete appointment
- email confirmation of scheduled appointment
- email reminder of scheduled appointment
- self-service password reset

Admin reports -

- List of admins
- List of faculty
- Total distinct students tutored by date range
- Total number of tutoring appointments by date range
- Number of distinct students tutored by tutor and date range
- Total number of hours unused by tutor by date range
- Total hours available by course by data range

Faculty reports - (admins may also run these)

- List of tutors and schedules (availability)
- Student activity - by date range and course (scheduled and completed)
- Tutor activity - by date range and course (scheduled and completed)

Notes:

- Purge/delete must not result in dangling data.

Requirements analysis deliverables – Draft #1

Due Wed 2/3 – PDF document and 5-10 minute presentation

Must include a Scenario-based model and Behavioral model

Team rosters:

See Canvas for the team rosters