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Milestone II Schema Diagrams

WSU Class Database

Department = (dept\_name, building)

Majors = (major\_code, dept\_name)

Professor = (Professor\_Star\_id, f\_name, l\_name, dept\_name)

Office Hours Monday = (Professor\_Star\_id, time)

Office Hours Tuesday = (Professor\_Star\_id, time)

Office Hours Wednesday = (Professor\_Star\_id, time)

Office Hours Thursday = (Professor\_Star\_id, time)

Office Hours Friday = (Professor\_Star\_id, time)

Student = (Student\_Star\_id, f\_name, l\_name)

Course = (course\_id, title, dept\_name, credits)

Section = (section\_id, course\_id, Professor\_Star\_id)

Section Schedule Monday = (section\_id, time)

Section Schedule Tuesday= (section\_id, time)

Section Schedule Wednesday= (section\_id, time)

Section Schedule Thursday= (section\_id, time)

Section Schedule Friday= (section\_id, time)

Tutor = (Student\_Star\_id, f\_name, l\_name, course\_id)

Tutor Hours Monday = (Student\_Star\_id, course\_id, time)

Tutor Hours Tuesday = (Student\_Star\_id, course\_id, time)

Tutor Hours Wednesday = (Student\_Star\_id, course\_id, time)

Tutor Hours Thursday = (Student\_Star\_id, course\_id, time)

Tutor Hours Friday = (Student\_Star\_id, course\_id, time)

Assumptions

* Students know what classes to take
  + Students have taken their Prerequisite courses
* Each Professor only works for one department

Note: We made these schemas and ERD assuming that MySQL does not support multivalued attributes. That is why we have broken the schedules into their own relations. This was to combat the issue of professors having multiple sets of office hours in the same day. If MySQL does support multivalued attributes, we will look into making each of these relations into individual attributes in their respective tables.