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CECS323 Section 04  
4 March 2021 - 11:00AM

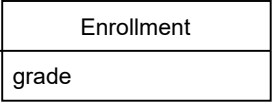
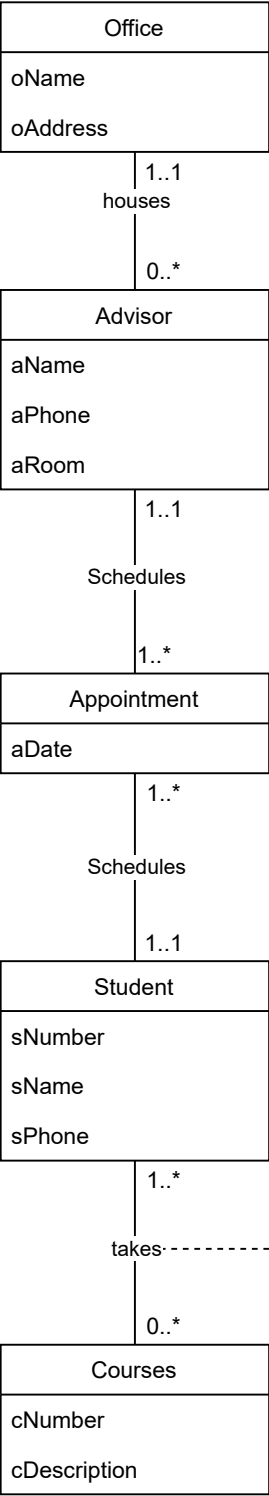
## Many To Many

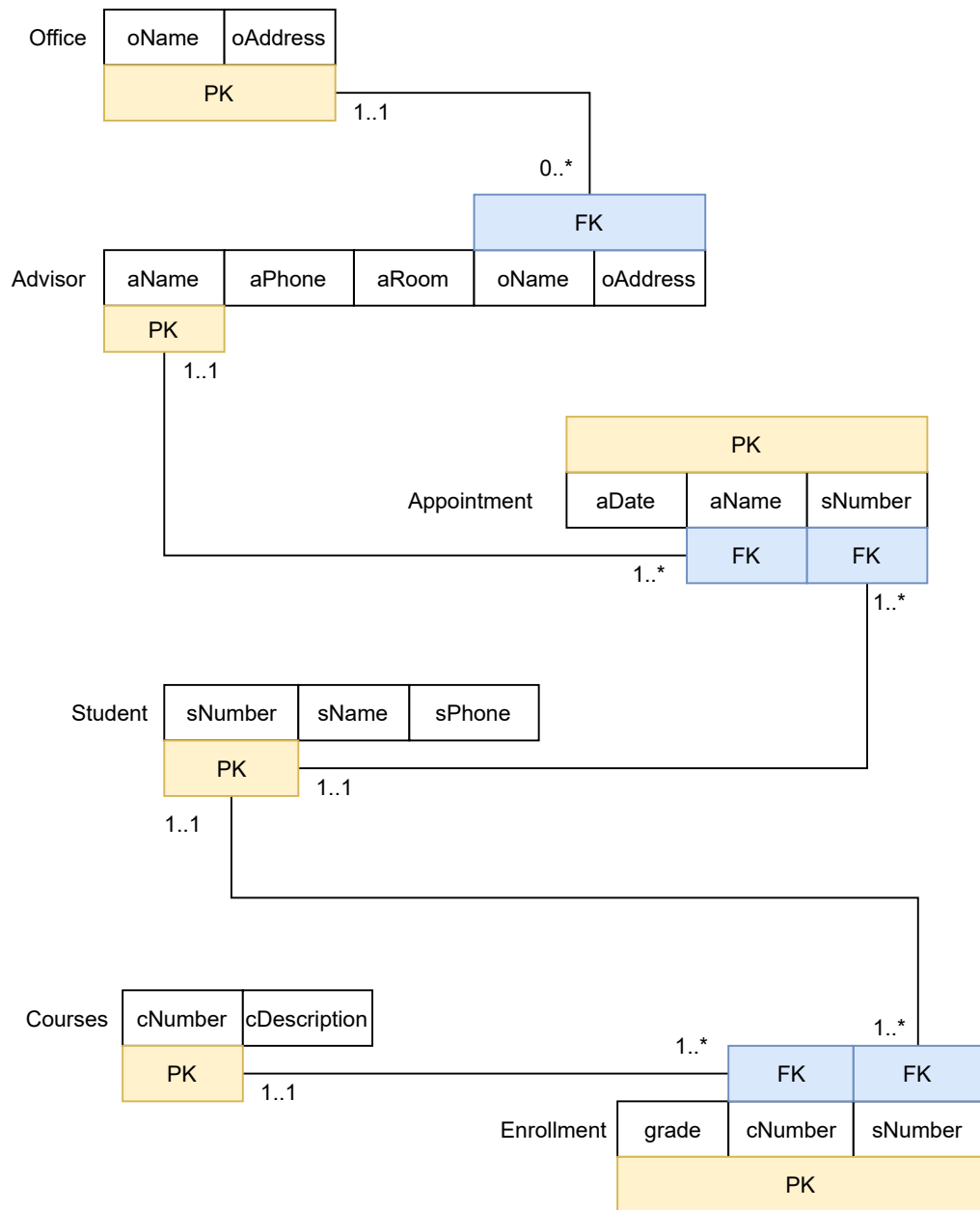
### Class Definitions

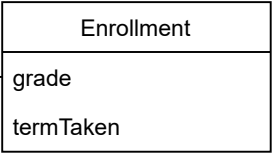
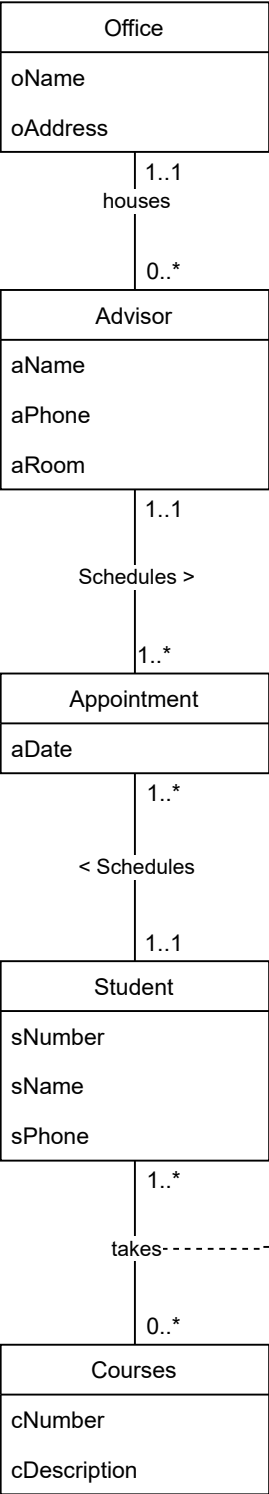
1. **Airline:** A company that sells seats on a plane to fly to various locations.
2. **Flight Schedule:** A description of the destination a plane from a specific airline will go to, along with the specified departure and arrival time.
3. **Flight:** The details regarding what flight schedule a plane will follow and the pricing of the specific trip.
4. **Passenger:** Any customer that will board an airplane to a destination.

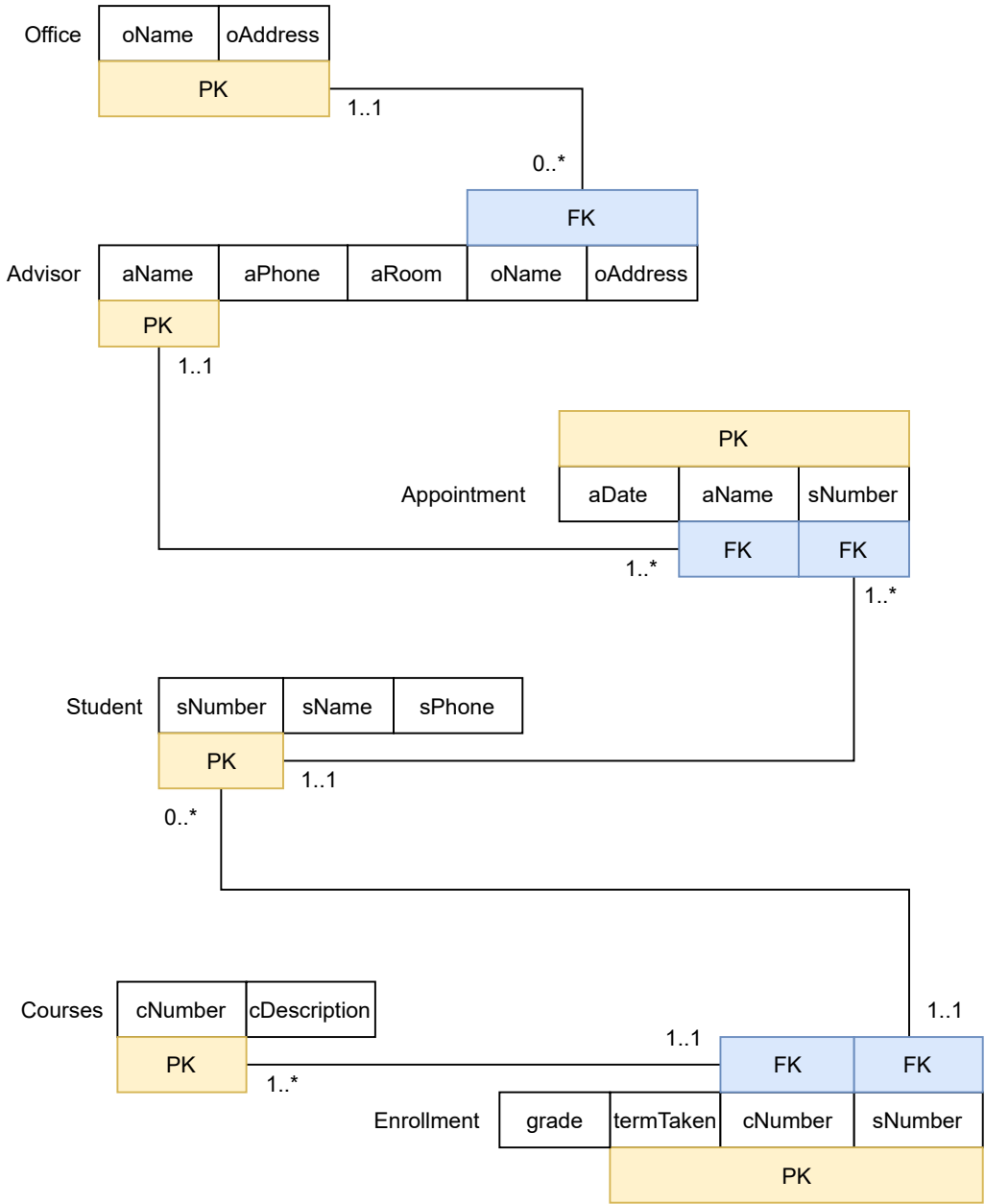
### Association Descriptions

1. One and only one airline creates one or more flight schedules.
2. One and only one flight schedule directs one or more flights.
3. One or more flights transports one or more passengers.
4. One or more passengers can be transported by one or more flights.
5. One or more flights are directed by one and only one flight schedule.
6. One or more flight schedules are created by one and only one airline.









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## Many To Many With History

### Class Definitions

1. **Office:** A building that employees work in.
2. **Advisor:** An school employee that assists students with issues.
3. **Student:** A person enrolled in classes to further their education.
4. **Courses:** A recurring meeting or lecture on a specific topic.
5. **Appointment:** A meeting between a student and advisor.

### Association Descriptions

1. One and only one office houses zero or more advisors.
2. One and only one advisor schedules one or more appointments for students.
3. One or more appointments is scheduled by one student.
4.
  - a. Old Rule: One to many students can take one course enrollment once.
  - b. New Rule: One to many students can enroll in a course more than once to improve a grade.
5. One course can have zero or more students enrolled.