**ISAT B321 | Calenvisor**
**Jonathan Garcia, Jason Garcia**
**Team 05 ERD Design**

**Naming Convention**

**PascalCase** for table names and columns.
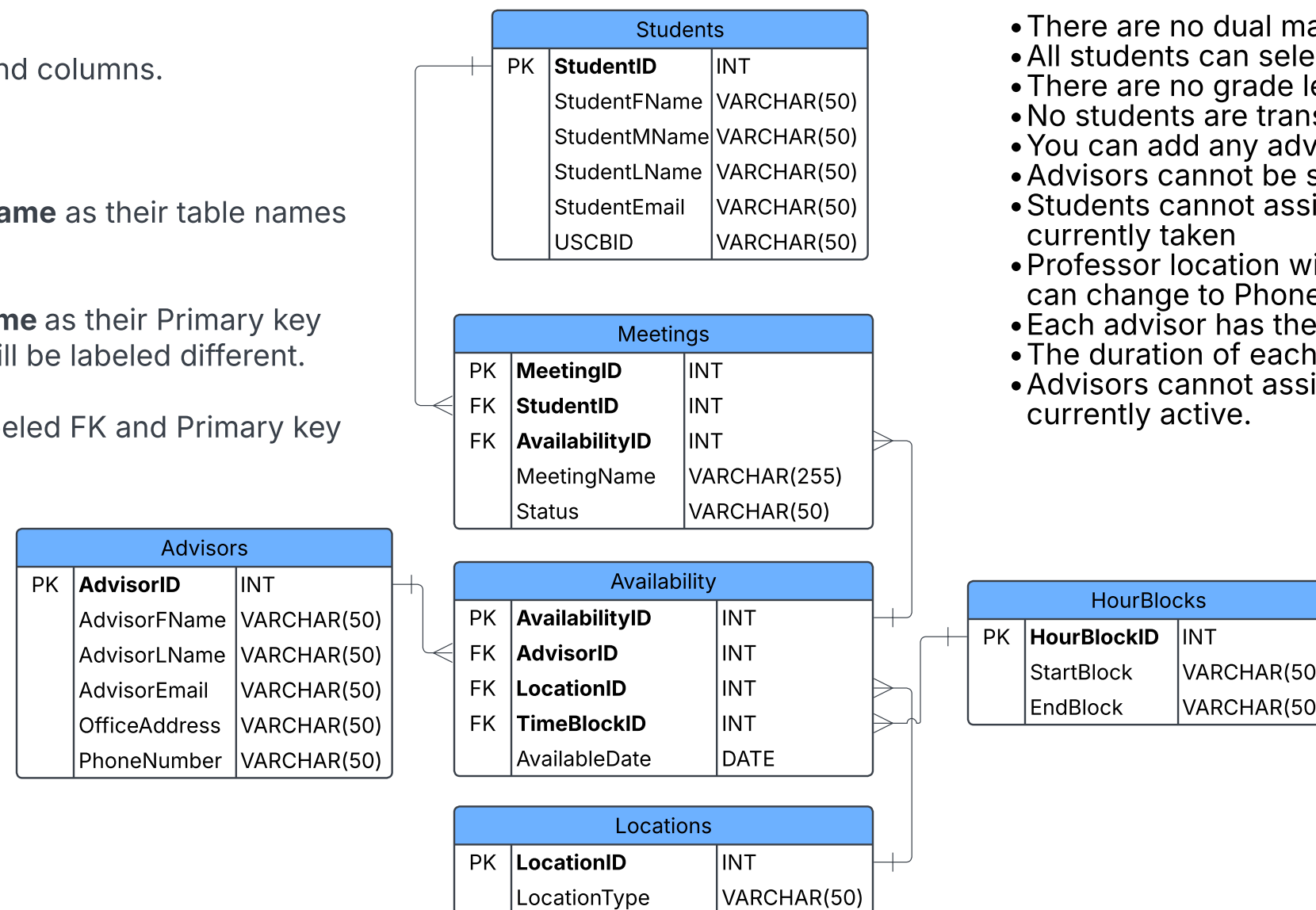
Tables names are in **plural**

Primary keys have the **same name** as their table names but do not use plurals.

Foreign key have the **same name** as their Primary key version but their constraints will be labeled different.

Foreign key constraints are labeled FK and Primary key constraints are labeled as PK

**Assumptions**

- There are no dual majors
- All students can select any advisor.
- There are no grade levels in each Student
- No students are transfer students
- You can add any advisor.
- Advisors cannot be students
- Students cannot assign a specific meeting that was currently taken
- Professor location will be defaulted to Office Address but can change to Phone, Zoom, etc.
- Each advisor has their Office Address
- The duration of each meeting is 15 minutes
- Advisors cannot assign a specific available time that is currently active.

**Students**

| | | |
|---|---|---|
| PK | **StudentID** | INT |
| | StudentFName | VARCHAR(50) |
| | StudentMName | VARCHAR(50) |
| | StudentLName | VARCHAR(50) |
| | StudentEmail | VARCHAR(50) |
| | USCBID | VARCHAR(50) |

**Meetings**

| | | |
|---|---|---|
| PK | **MeetingID** | INT |
| FK | **StudentID** | INT |
| FK | **AvailabilityID** | INT |
| | MeetingName | VARCHAR(255) |
| | Status | VARCHAR(50) |

**Advisors**

| | | |
|---|---|---|
| PK | **AdvisorID** | INT |
| | AdvisorFName | VARCHAR(50) |
| | AdvisorLName | VARCHAR(50) |
| | AdvisorEmail | VARCHAR(50) |
| | OfficeAddress | VARCHAR(50) |
| | PhoneNumber | VARCHAR(50) |

**Availability**

| | | |
|---|---|---|
| PK | **AvailabilityID** | INT |
| FK | **AdvisorID** | INT |
| FK | **LocationID** | INT |
| FK | **TimeBlockID** | INT |
| | AvailableDate | DATE |

**HourBlocks**

| | | |
|---|---|---|
| PK | **HourBlockID** | INT |
| | StartBlock | VARCHAR(50) |
| | EndBlock | VARCHAR(50) |

**Locations**

| | | |
|---|---|---|
| PK | **LocationID** | INT |
| | LocationType | VARCHAR(50) |

**Timeslots**

| PK | LocationID | INT |
|----|------------|-----|
|    | LocationType | VARCHAR(50) |
|    | LocationAddress | Type |

**Admin**

| PK | StudentID | INT |
|----|-----------|-----|
|    | FirstName | VARCHAR(50) |
|    | MiddleName | VARCHAR(50) |
|    | LastName | VARCHAR(50) |
|    | Email | VARCHAR(50) |
|    | Department | VARCHAR(50) |

**Advisors**

| PK | AdvisorID | INT |
|----|-----------|-----|
|    | FirstName | VARCHAR(50) |
|    | MiddleName | VARCHAR(50) |
|    | LastName | VARCHAR(50) |
|    | Email | VARCHAR(50) |
|    | Department | VARCHAR(50) |

**Availability**

| PK | AvailabilityID | INT |
|----|----------------|-----|
|    | AdvisorID | INT |
|    | LocationID | INT |
|    | Time | VARCHAR(50) |
|    | Status | VARCHAR(50) |

**Meetings**

| PK | MeetingID | INT |
|----|-----------|-----|
|    | MeetingDate | VARCHAR(50) |
|    | MeetingTime | VARCHAR(50) |
|    | StudentID | VARCHAR(50) |
|    | AdvisorID | VARCHAR(50) |
| Key | LocationID | Type |

**Location**

| PK | LocationID | INT |
|----|------------|-----|
|    | LocationType | VARCHAR(50) |
|    | LocationAddress | Type |

**Student**

| Key | StudentID | Type |
|-----|-----------|------|
| Key | AdvisorID | Type |
| Key | FirstName | Type |
| Key | MiddleName | Type |
| Key | LastName | Type |
| Key | Email | Type |
| Key | Status | Type |
| Key | USCBID | Type |

**Advisor**

| Key | AdvisorID | Type |
|-----|-----------|------|
| Key | FirstName | Type |
| Key | MiddleName | Type |
| Key | LastName | Type |
| Key | Department | Type |

**Meeting**

| Key | MeetingID | Type |
|-----|-----------|------|
| Key | StudentID | Type |
| Key | AdvisorID | Type |
| Key | LocationID | Type |
| Key | MeetingTime | Type |
| Key | Status | Type |

**Availability**

| Key | AvailabilityID | Type |
|-----|----------------|------|
| Key | AdvisorID | Type |
| Key | Date | Type |
| Key | StartTime | Type |
| Key | EndTime | Type |
| Key | Status | Type |

**Location**

| Key | LocationID | Type |
|-----|------------|------|
| Key | LocationType | Type |
| Key | LocationInfo | Type |