Project 1: Creating Organ Donor Database with MS Access

**Due Date:** 9/5/21 by 11:59pm

Due Date **with late penalty:** 9/7/21 by 11:59pm

**Project One: Organ Donation DB**

Please make sure to read all of the following instructions before beginning.

**You need Microsoft Access to complete this project.**

**Mac Users: Download** [**How to use IUanyWare (1).pdf**](https://iu.instructure.com/courses/2013459/files/123571019?wrap=1) **for Access database to apply course DB assignments**

Assignment's Description:

You will be creating a Library database with four tables without data.

* DONORS, no data
* ORGANS, no data
* SURGEONS, no data
* HOSPITAL, no data

How to start for database

\*MAC users follow the instruction from[**How to use IUanyWare (1).pdf**](https://iu.instructure.com/courses/2013459/files/123571019?wrap=1)

* Open Access software
* Select New Blank Database
* Give the file/database a name, Project1\_your last name
* Select a location to save your DB
* And start to create the tables with the requirements below.

How to create a table in Access:

\*MAC users follow the instruction from[**How to use IUanyWare (1).pdf**](https://iu.instructure.com/courses/2013459/files/123571019?wrap=1)

* Click the **CREATE** on the Ribbon
* Then, click the **Table** tab on the access toolbar
* Right-click onto the table to get **Design View** oryou may use the **View** tab on the Ribbon to get **Design View**
* And start to create the first table with the requirements below

You will create a database with four tables without data

1-DONORS,

2-ORGANS,

3-SURGEONS,

4-HOSPITAL

Note: Fields has been provided on next page

Howto create a database

* Open Access 2016, 2013, 2010, or 2007
* Select New Blank Database.
* Give the file/database a name, your lastname\_Project1
* Select a location to save the database, onto the desktop of your own machine, documents library, or onto an external disk.
* And start to create your tables with the requirements below.

How to create a table in Access Database:

* Click the **CREATE**  on the Ribbon
* Then, click the **Table** tab on the access tool bar
* Right click onto table to get **Design View** oryou may use **View** tab on the Ribbon to get **Design View**
* And start to create the first table with the requirements below

**Table 1 –** DONORS Table

Fields Descriptions:

**Note:** You will apply proper number of digits value for each Field’s field size.

* **DonorID** - Short Text, Field size = 5, Required, **Primary Field**
* **First\_Name** -Short Text, Field size = 30
* **Last\_Name** - Short Text, Field size = 30
* **NickName** - Yes/No,
* **Age** -Number
* **BloodType** -Short Text, Field Size = 5, Required
* **Phone** - Short Text, Field Size = 15, Required, Input Mask, Caption as “Primary Contact”
* **Nationality** -Short Text, Field size = 30, Caption as “Donation from”

Save the table as DONORS

**Table 2 –** ORGANS Table

Fields Descriptions:

* **OID** - Short Text, Required, Field size = 2, **Primary Field**
* **OName** - Short Text, Field size = 30, Required, Caption as “Body Part”
* **DonorID** - Short Text, Field Size = ?, Required

Save the table as ORGANS

**Table 3 –** SURGEONS

Fields Descriptions:

**Note:** You will use proper length for each field size. Use your judgment for each field’s field size.

* **SURID** - Short Text, Field size = 5, Required, **Primary Field**
* **FirstName -**  Short Text, Field size = 30, Required, Caption as Surgeon Name
* **LastName** - Short Text, Field size = 30 Required
* **Phone** -Short Text, Field size = 15, Required, Input Mask, Caption as “Surgeon Phone”
* **HospitalCode** -Short Text, Field size = 5, Required
* **DateStarted** - Date/Time, Input Mask
* **Graduate** - Short Text, Field size = 30Caption as “Graduated From”

Save the table as SURGEONS

**Table 4 –** HOSPITAL

Fields Descriptions:

**Note:** You will use proper length for each field size. Use your judgment for each field’s field size.

* **HosID** - Short Text, Field Size = ?, Required, **Primary Field**
* **HosName** -Short Text, Field size = 30, Caption as ”Hospital”
* **Ranking** -Short Text, Field size = 3, Caption as “National Ranking”
* **Gross** - Currency, Caption as “Annual Gross”
* **State** - Short Text, Field size = 3
* **Population** Number

Save the table as HOSPITAL

Check list

* Table names and field names (-5 points)
* Correct field types (-5 points)
* Correct field lengths (-5 points)
* The database file name must be in the format of lastname\_project1. (-5 points)
* Before you submit your work, clean up all the unnecessary files, extra tables, extra forms, etc. from your DB (-5 points)
* Save your DB as your LastName\_Project1 (-2)

I strongly suggest you;

It is better to check the Referential Integrity Constraint before submitting your work. Make sure, the connection between the related fields on different tables can connect to each other without any difficulty.   
In other words, Enforce Referential Integrity Rules to see if data types and field sizes of related fields are compatible, good/healthy.

**Help:** To do is, you should work from Database Tools --> Relationships--> check the check box of Enforce Referential Integrity.  
If there is problem, you will end up with an error box. Otherwise, your first project is ready to submit.