

# Museo de San Juan Digital Archive

A User Guide to the Microsoft Access Database  
for the Museo de San Juan



May  
2023

This user guide was created by the WPI D23 Museo Project Team - Michael Akstin, Kathryn Butziger, Isabella Pabón, and Jai Patel for the sponsor institution, the Museo de San Juan.

This document is intended to be left as a guide for the Museo de San Juan staff to provide instructions that are required to effectively utilize the features of the Microsoft Access digital archive, such as opening the archive, modifying pieces, and saving changes.

Thank you to liaisons Ms. Maria-Laura Benitez and Ms. Adriana Sybelle Muniz Narváez of the Museo de San Juan staff in assisting with the document. A special thanks to advisors Professor Leslie Dodson and Professor Scott Jiusto.

This work was produced by undergraduate students in the Worcester Polytechnic Institute (WPI) Global Projects Program.

For more information:

<http://www.wpi.edu/academics/ugradstudies/project-learning.html>

For more information on the work conducted by the project team, resources are available at:

<https://wp.wpi.edu/puertorico/projects/2023-mar-may-2/museo/>

# Table of Contents

1.0 How to Open the Digital Archive	1
1.1 Opening the Digital Archive from the Registrar Computers	1
1.2 Opening the Digital Archive from the Cultura Computers	4
2.0 How to use the Digital Archive	8
2.1 Opening Tables for Specific Piece Types	8
2.2 Looking Through Pieces in a Single Table	10
2.3 How to Add a Piece	12
2.4 How to Remove a Piece	14
2.5 How to Edit a Piece	16
2.6 How to Search for a Piece	18
3.0 How to Upload and Save Changes	20
3.1 Making Sure Changes are Saved	20
3.2 Making Sure the Archive is Saved	21
3.3 Making Sure the Archive Syncs to the Municipio de San Juan OneDrive	22
4.0 Recommendations	23
4.1 Microsoft's User Manual	23
4.2 Further Development	23


# 1.0

# How to Open the Digital Archive

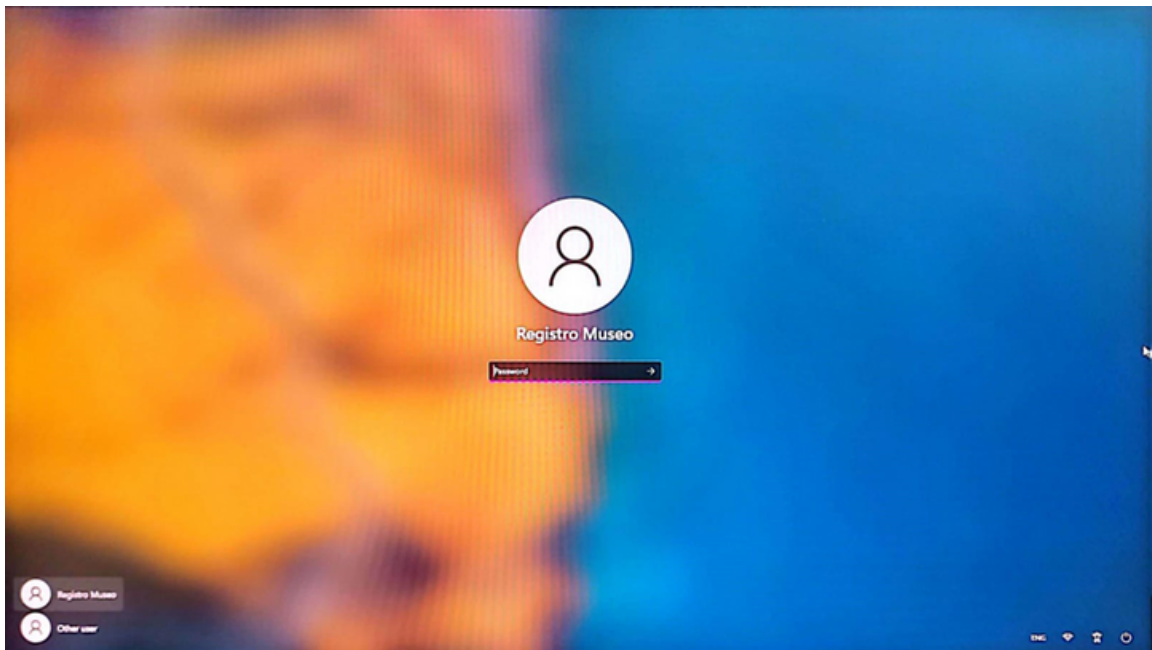
This chapter provides an overview of how to open the digital archive, depending on the computer account in use. Opening the archive from a Registrar computer will allow you to make changes and save these changes to the OneDrive. Meanwhile, opening the archive from a Cultura computer will let you view the database, not make changes.

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## 1.1 Opening the Digital Archive from the Registrar Computers

 If you do not wish to make edits, either refer to Section 1.2, or be cautious of making accidental changes when navigating through the digital archive.

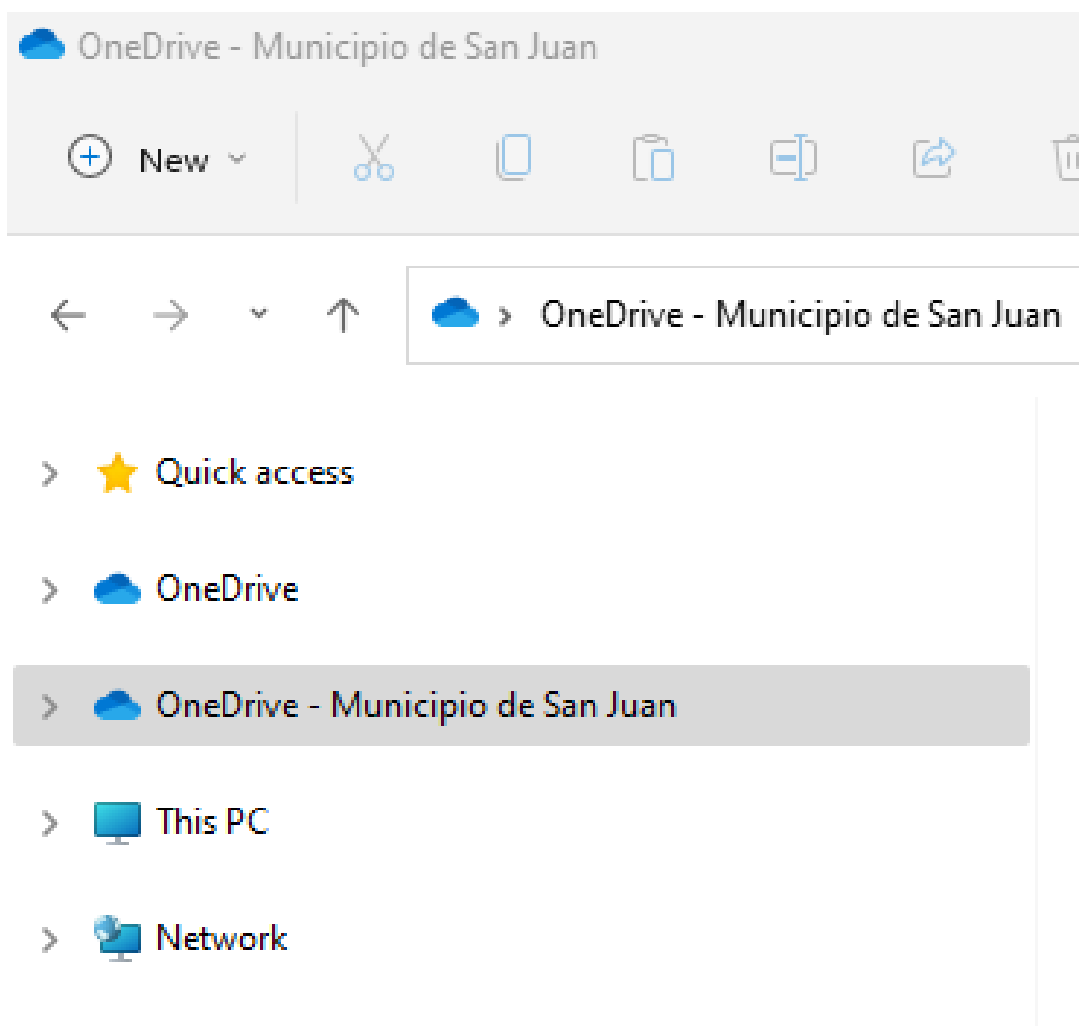
1. Start by logging into the computer:



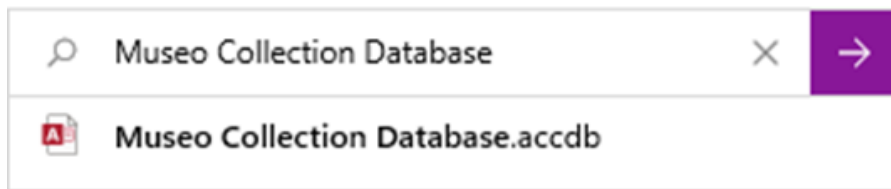
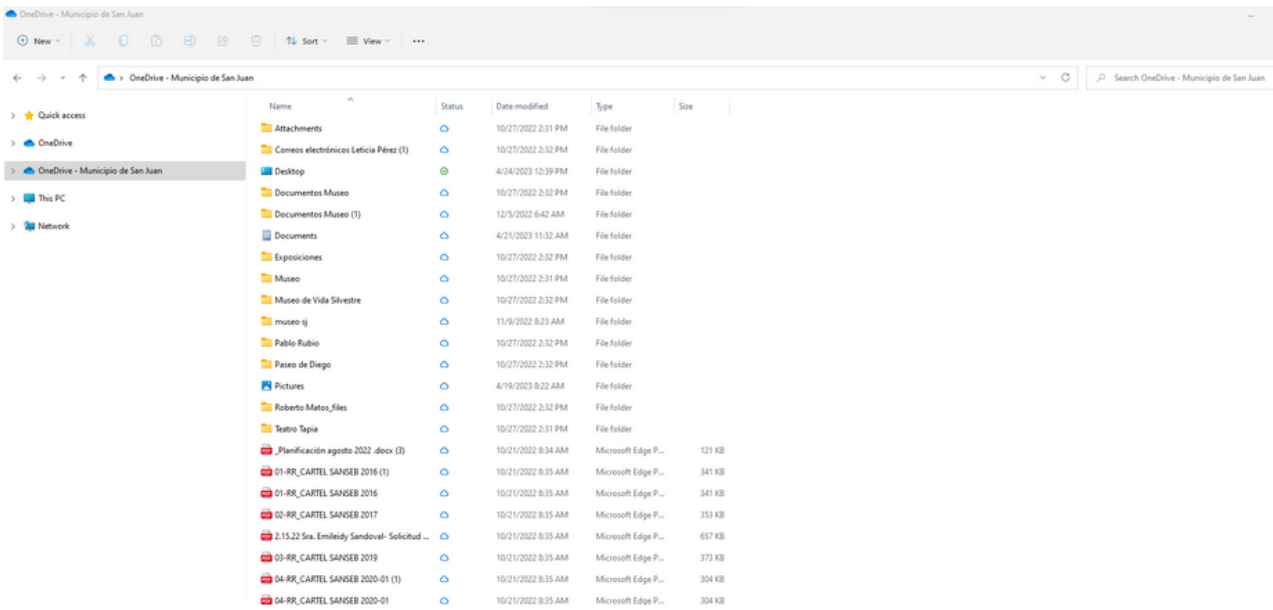
2. Open File Explorer, located at the bottom of the computer screen:



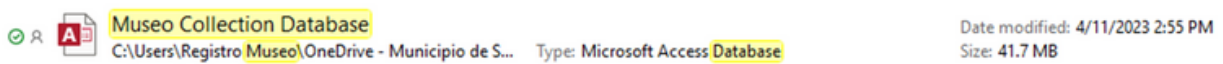
3. Next, click on the Municipio de San Juan One Drive on the left-hand side toolbar:




4. Once the Municipio de San Juan One Drive is open, enter "Museo Collection Database" into the search bar in the upper right corner. The file will appear in the search results:



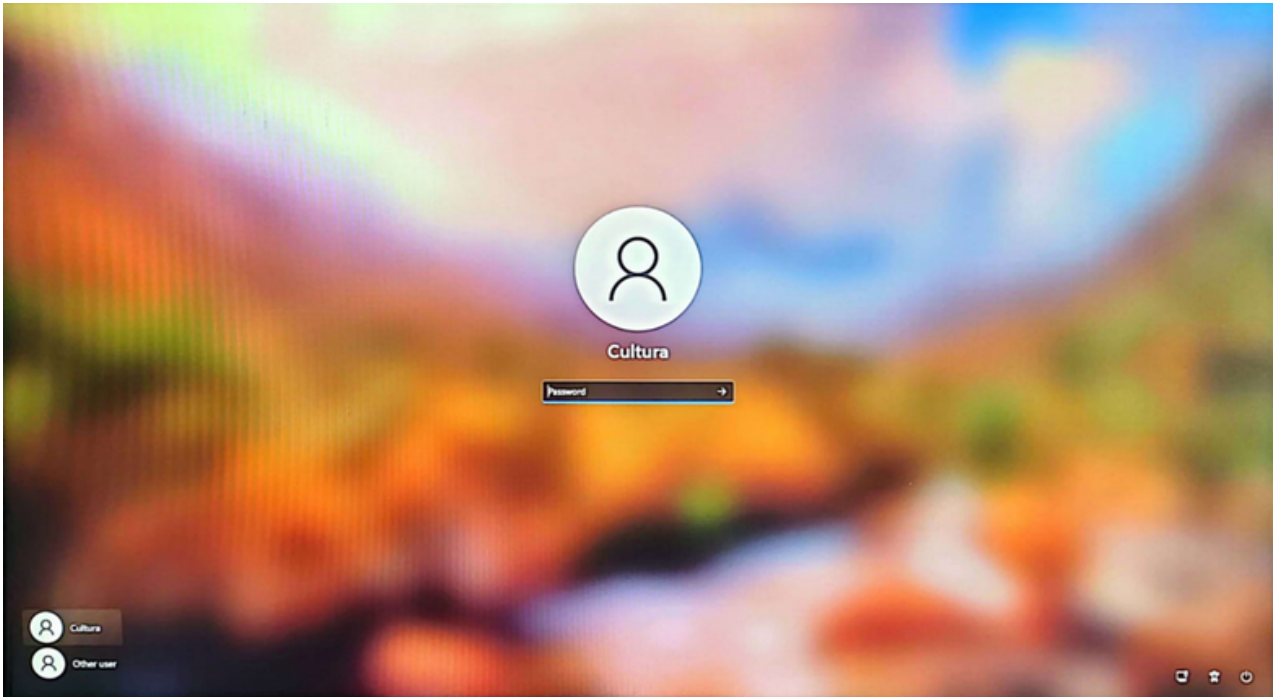
5. Click on "Museo Collection Database", and the digital archive will open to make edits.



## 1.2 Opening the Digital Archive from the Cultura Computers

 If you wish to make edits to the digital archive, refer to Section 1.1.

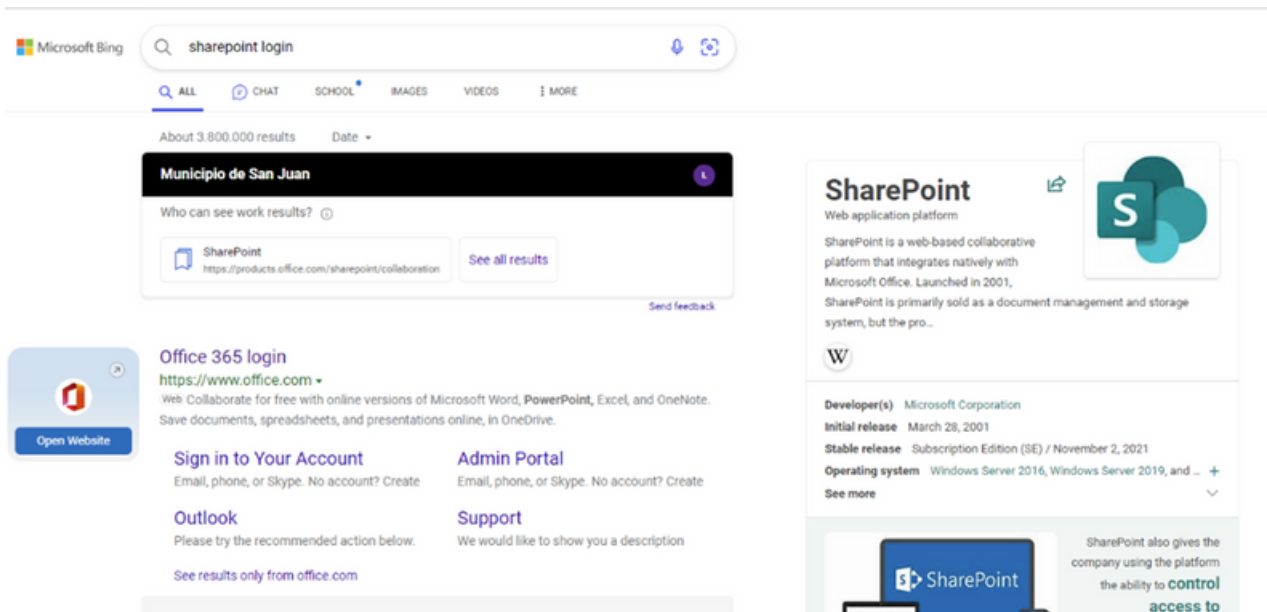
1. Start by logging into the computer:



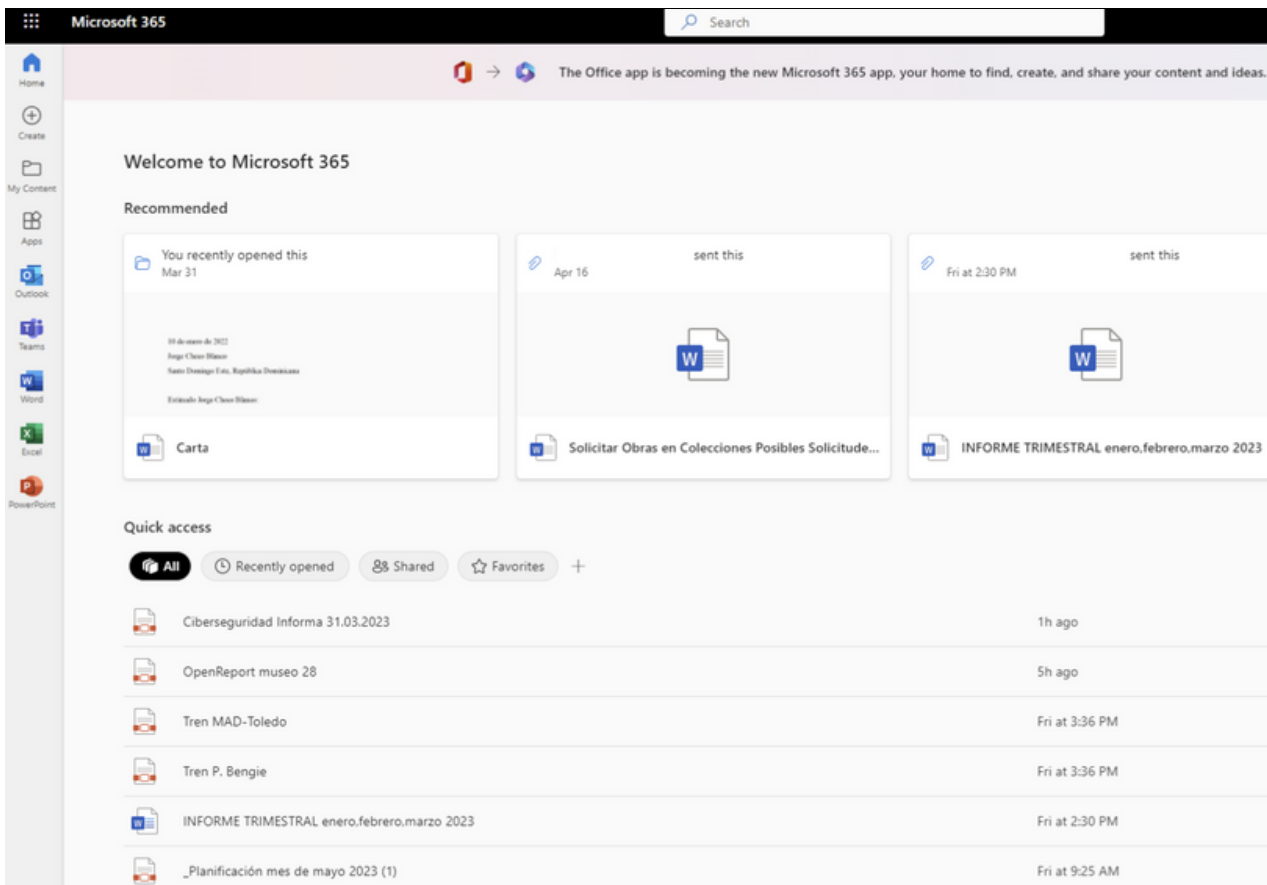
2. Open Microsoft Edge, located on the toolbar at the bottom of the computer screen:



3. Once Microsoft Edge is open, type “sharepoint login” into the search bar and hit enter:



4. Click on "Office 365 login" to navigate to SharePoint and login using credentials if prompted:

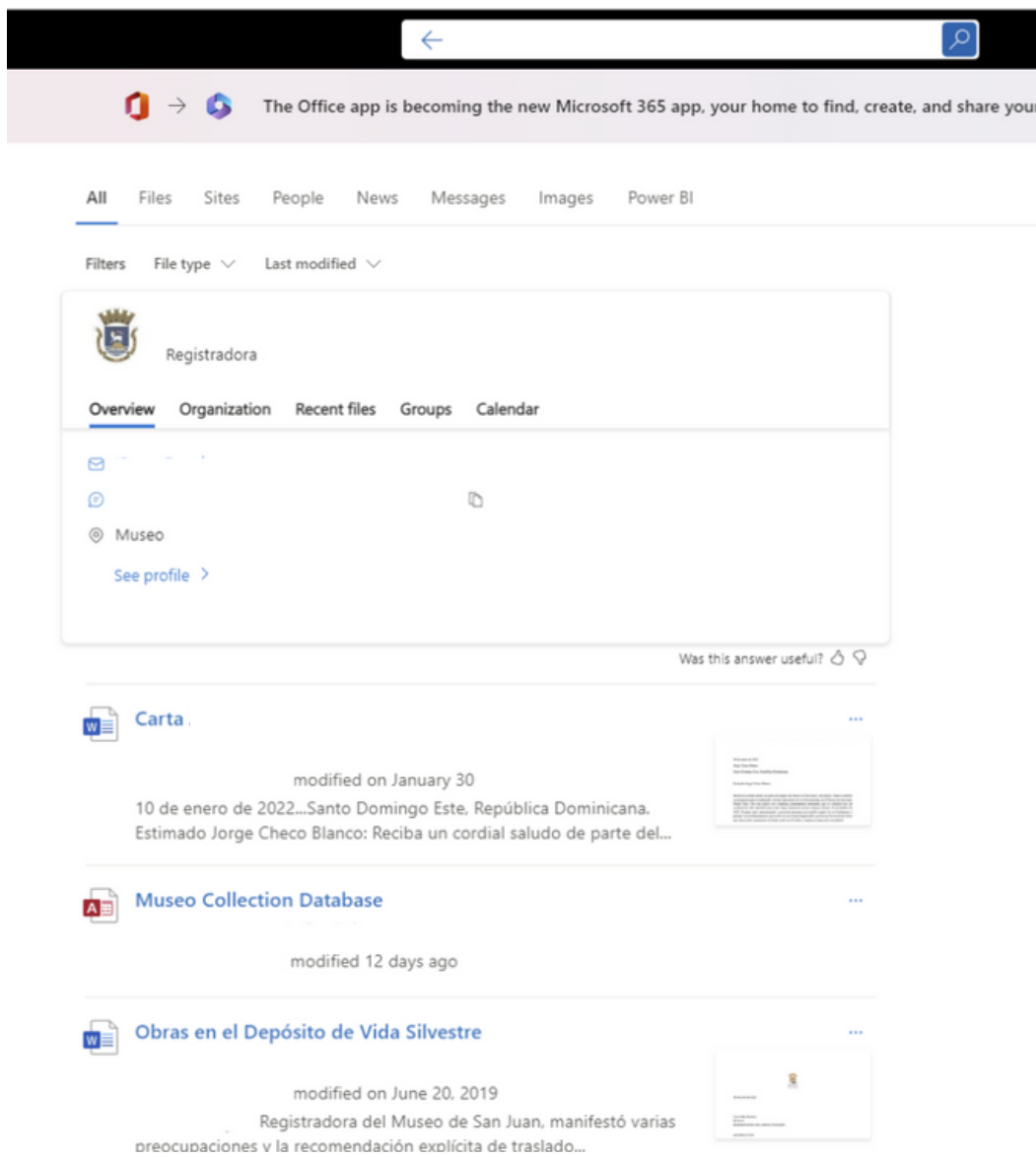


5. Once you are in SharePoint, enter the name of the current Registrador/a into the search bar:






6. Click on the blue magnifying glass icon to search and see all files belonging to the Registrador/a, including the digital archive:



7. Click on the digital archive titled “Museo Collection Database”. This will direct you to the following message to download the Access file. Downloading the file will let you view the digital archive and any changes made won’t be saved to the OneDrive:



Museo Collection Database.accdb

Hmm... looks like this file doesn't have a preview we can show you.

[Open](#) [Download](#)

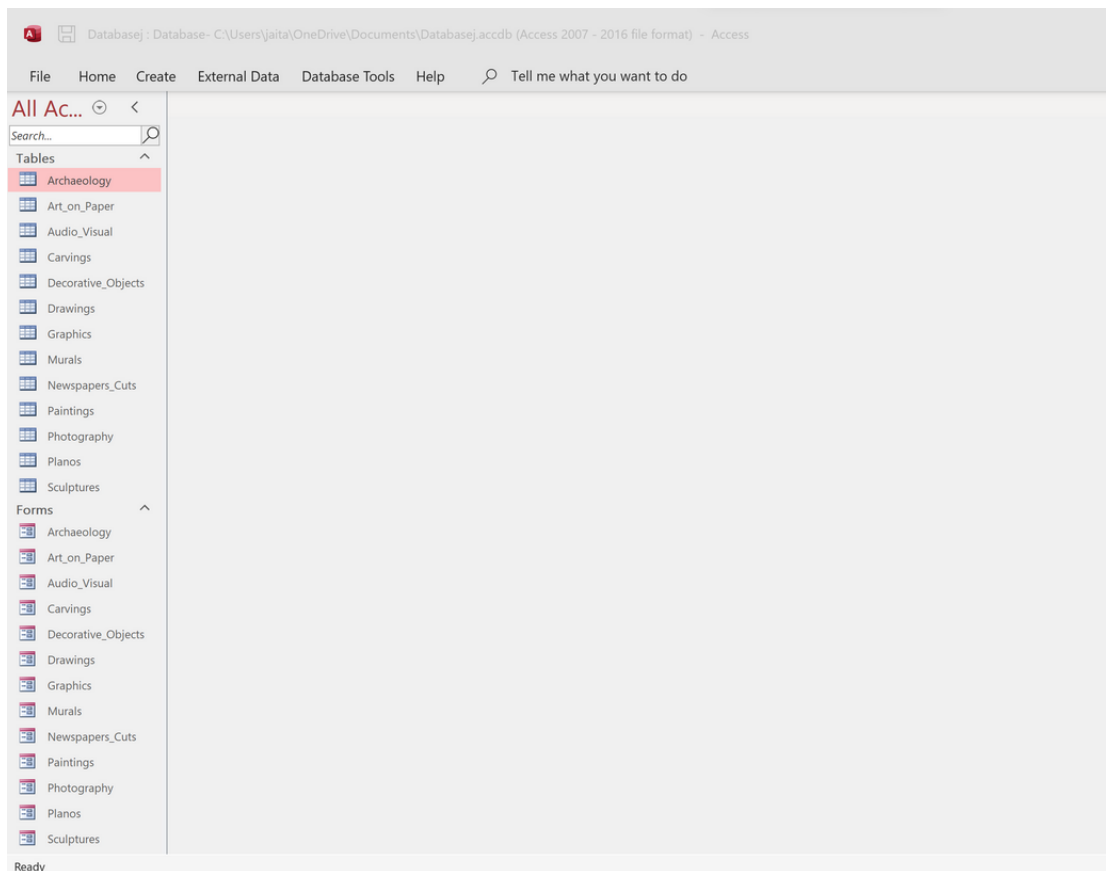
# 2.0

# How to use the Digital Archive

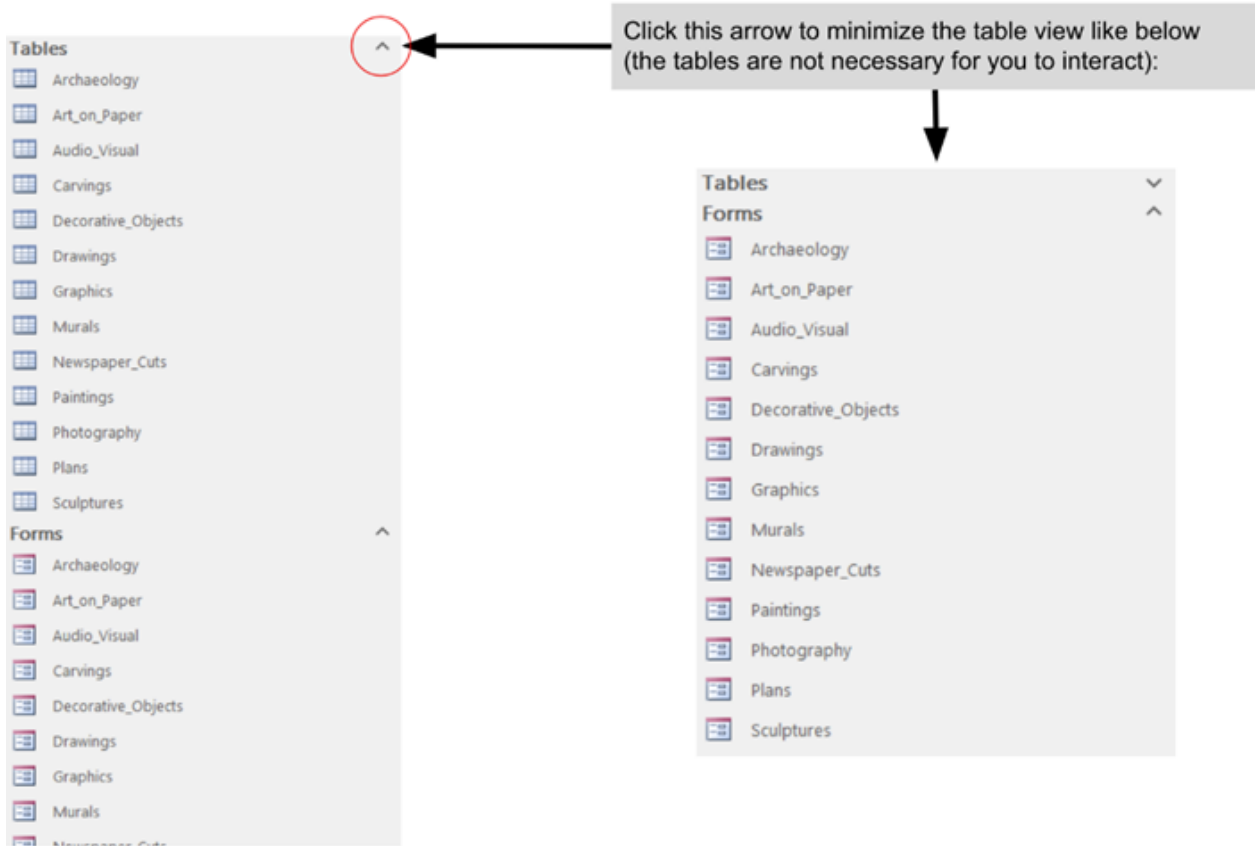
This chapter provides an overview of how to use all the features of the digital archive. This includes how to open tables and forms, navigate through pieces, add pieces, remove pieces, edit pieces, and search for pieces.

## 2.1 Opening Tables for Specific Piece Types

1. Once you have opened the digital archive following instructions from Chapter 1.0, your screen should see the following:



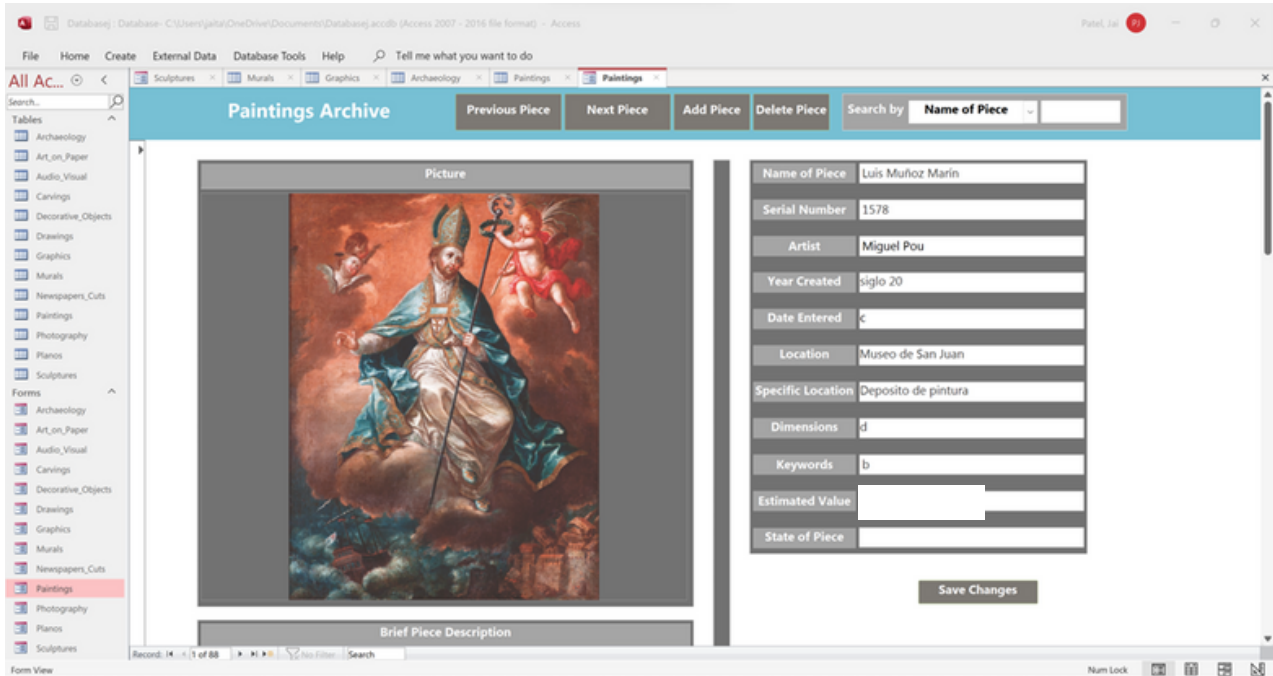
2. On the left-hand side, you can see the list of all tables and forms within the database:




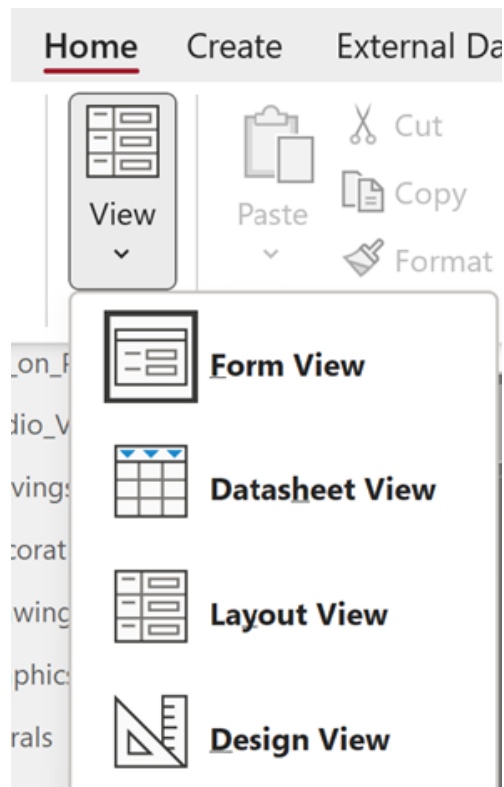
3. To interact with Photography pieces for example, double click on the form labeled Photography.

## 2.2 Looking Through Pieces in a Single Table

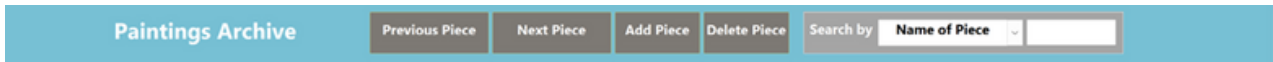
To look through pieces in a table, first ensure that the specified form is open, following the instructions from Section 2.1. Once the form is open, you should see the following:




 Make sure to view the form in Form View by clicking on Home in the top toolbar, then click View, then click Form View as shown below:

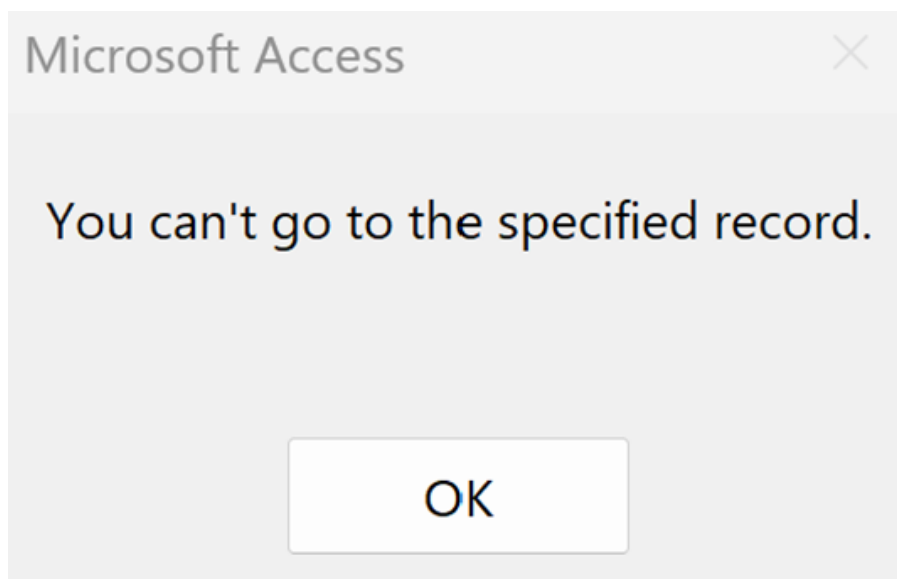


1. Once you have the form pulled up, look through pieces using the buttons at the top:



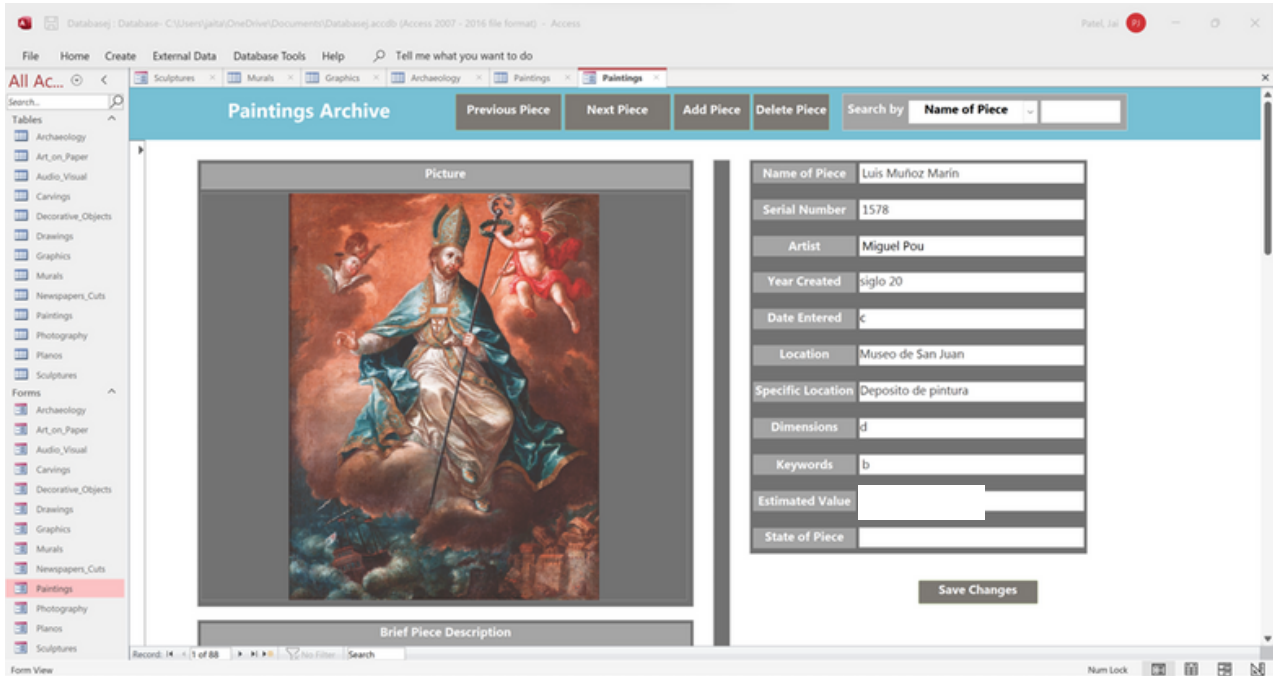
2. Navigate through pieces using the “Next Piece” button to move forward and “Previous Piece” button to move backward.


 This popup indicates that you are at the end of the list of pieces in the database. Nothing went wrong, you can just click OK.

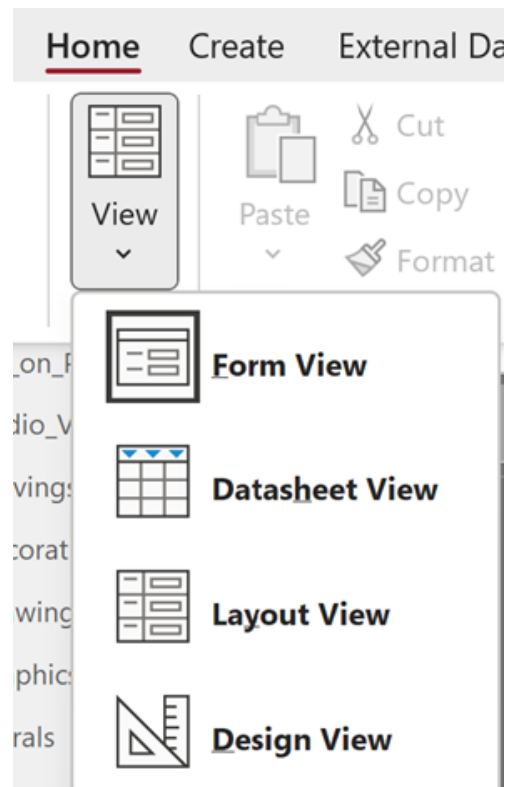


## 2.3 How to Add a Piece

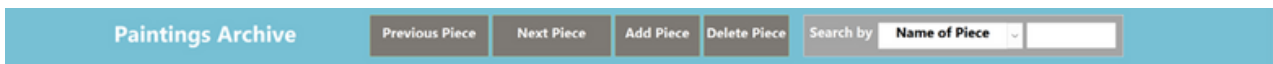
To add a piece to a table, first ensure that the specified form is open, following the instructions from Section 2.1. Once the form is open, you should see the following:



 Make sure to view the form in Form View by clicking on Home in the top toolbar, then click View, then click Form View as shown below:



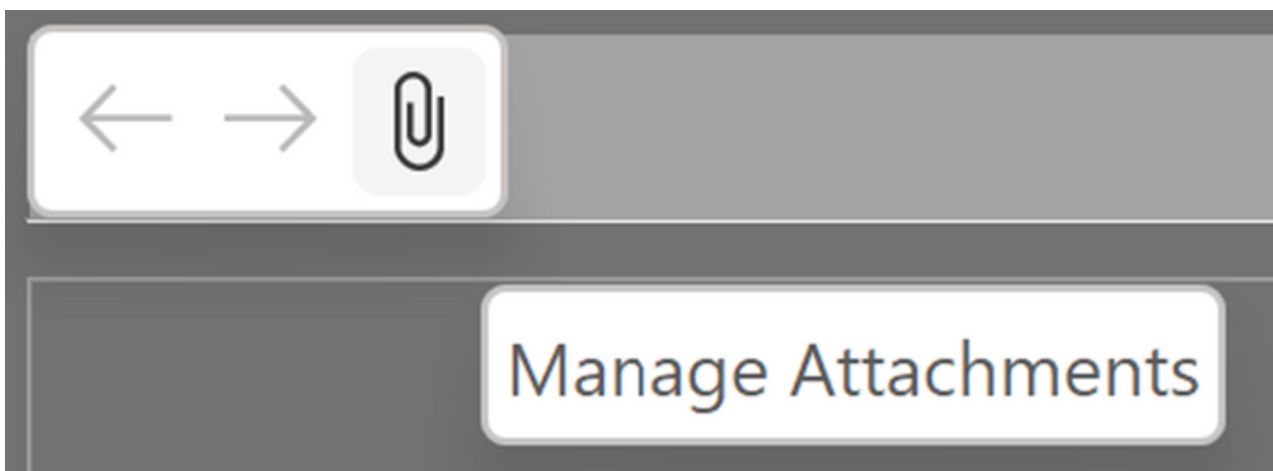
1. Once you have the form pulled up, you can add a piece by using the “Add Piece” button at the top:



2. Once you have clicked the “Add Piece” button, you should see the following blank page:

A form titled "Audio Visual Archive" with a purple header. It contains navigation buttons ("Previous Piece", "Next Piece", "Add Piece", "Delete Piece") and a search box. The main content area is split into two columns. The left column has a large gray box labeled "Picture" and a smaller box at the bottom labeled "Brief Piece Description". The right column contains a vertical stack of input fields for: "Name of Piece", "Serial Number", "Artist", "Year Created", "Date Entered", "Location", "Specific Location", "Dimensions", "Keywords", "Estimated Value", and "State of Piece". A "Save Changes" button is located at the bottom right of the form.

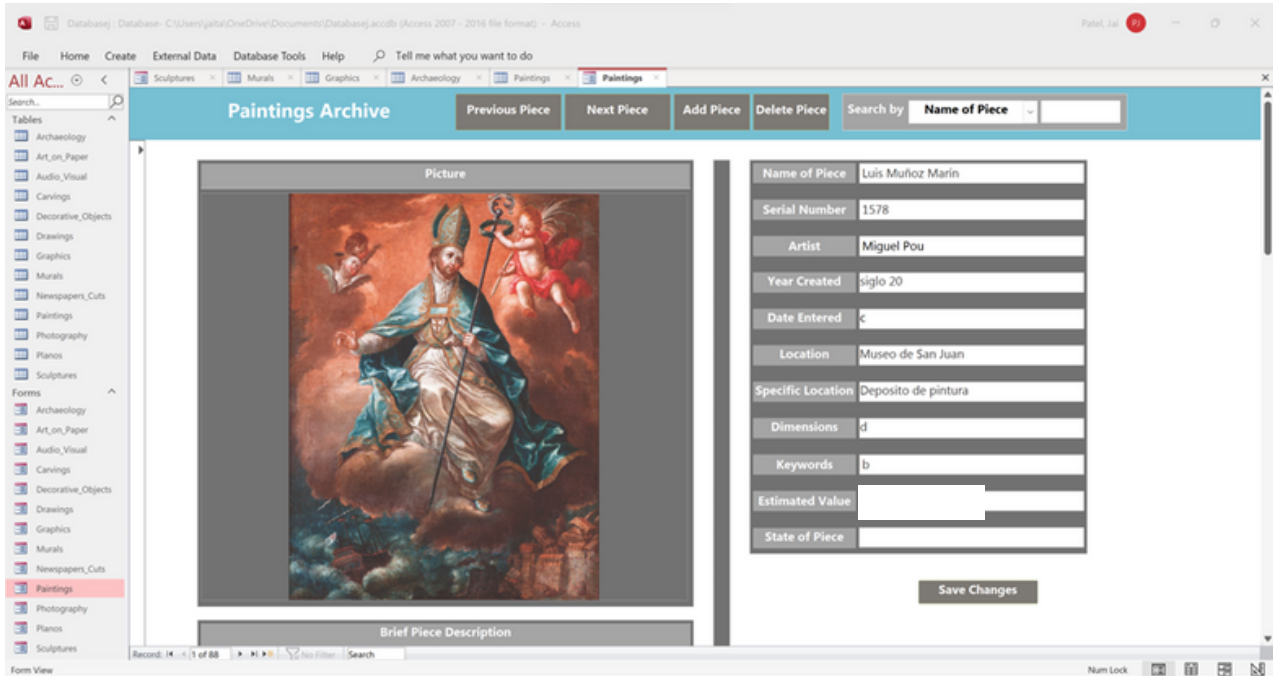
3. Next, add a piece by clicking on the empty fields and typing in the new pieces’ respective information. Add a picture by clicking on the large gray box below the “Picture” header, where it will prompt you with a paper clip icon to click to add a picture, as shown below:



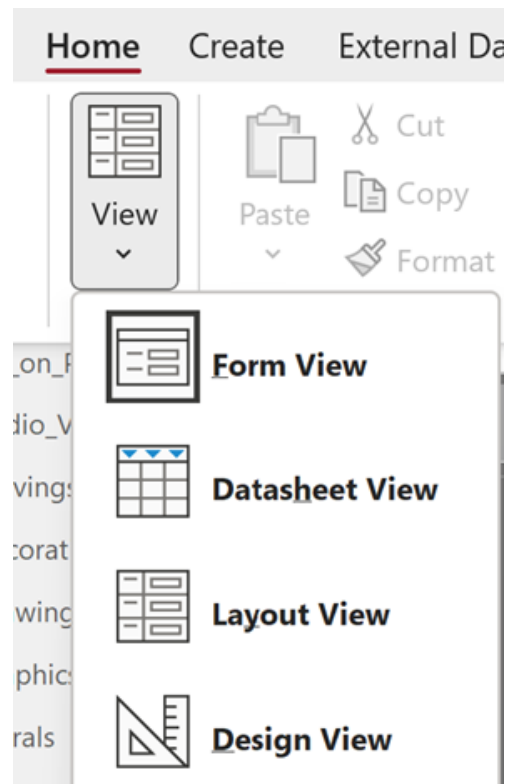


## 2.4 How to Remove a Piece

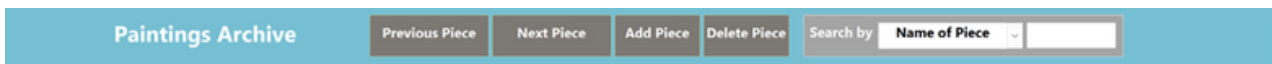
To remove a piece from a table, first ensure that the specified form is open, following the instructions from Section 2.1. Once the form is open, you should see the following:



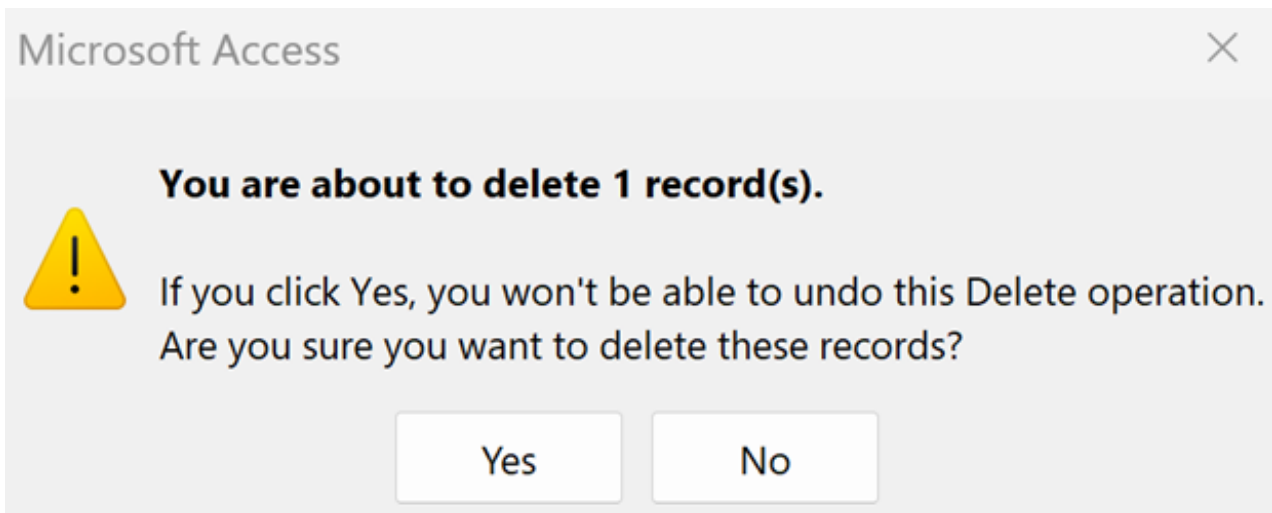
Make sure to view the form in Form View by clicking on Home in the top toolbar, then click View, then click Form View as shown below:



1. Once you have the form pulled up, you can remove a piece by using the “Delete Piece” button at the top:



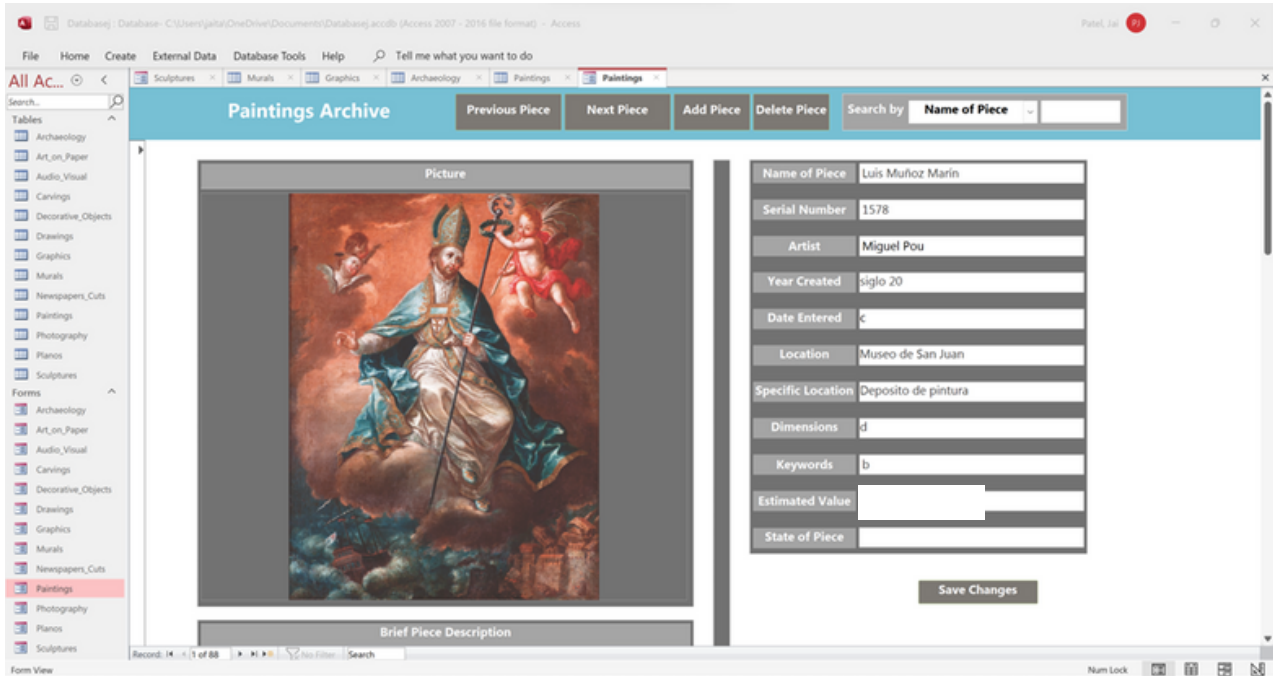
2. Once you have clicked the “Delete Piece” button, you will be prompted with the following confirmation message below:




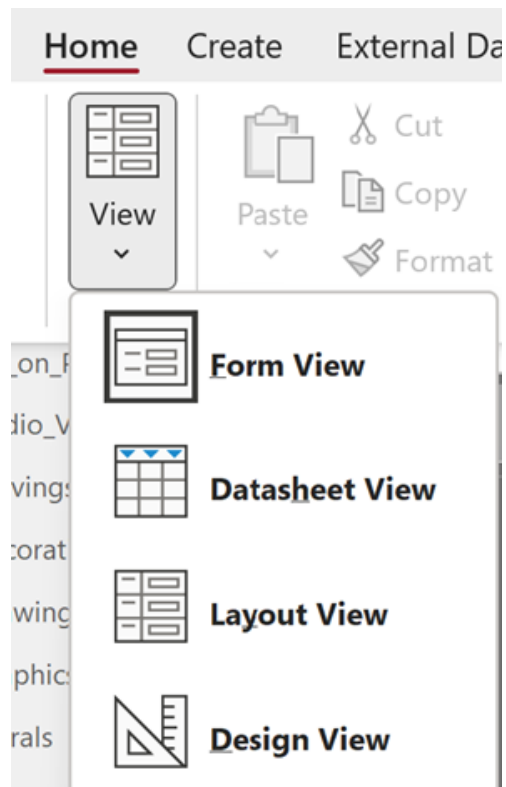
3. Click “yes” to delete, or “no” to return to the piece you were looking at.

## 2.5 How to Edit a Piece

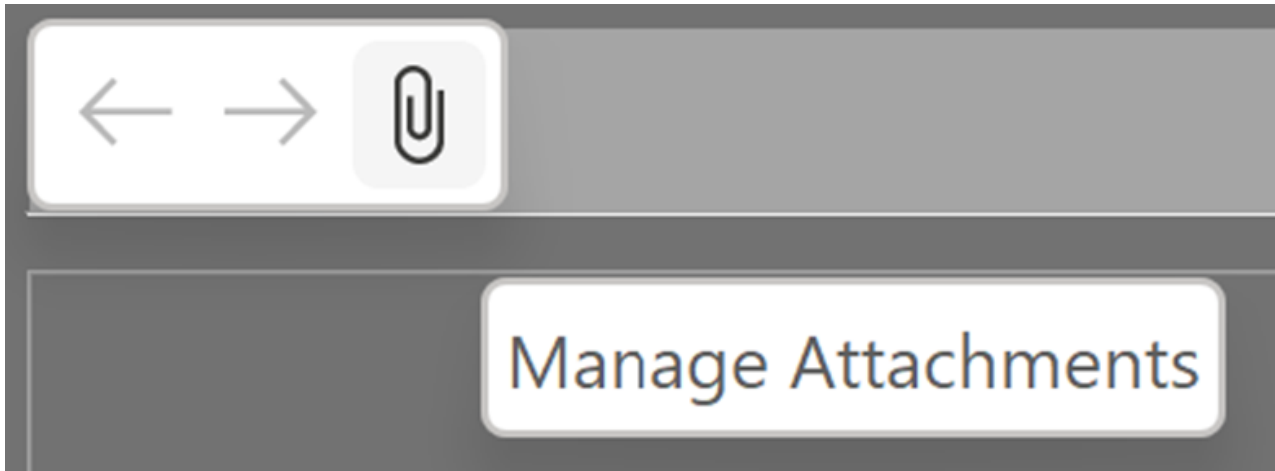
To edit a piece in a table, first ensure that the specified form is open, following the instructions from Section 2.1. Once the form is open, you should see the following:



 Make sure to view the form in Form View by clicking on Home in the top toolbar, then click View, then click Form View as shown below:

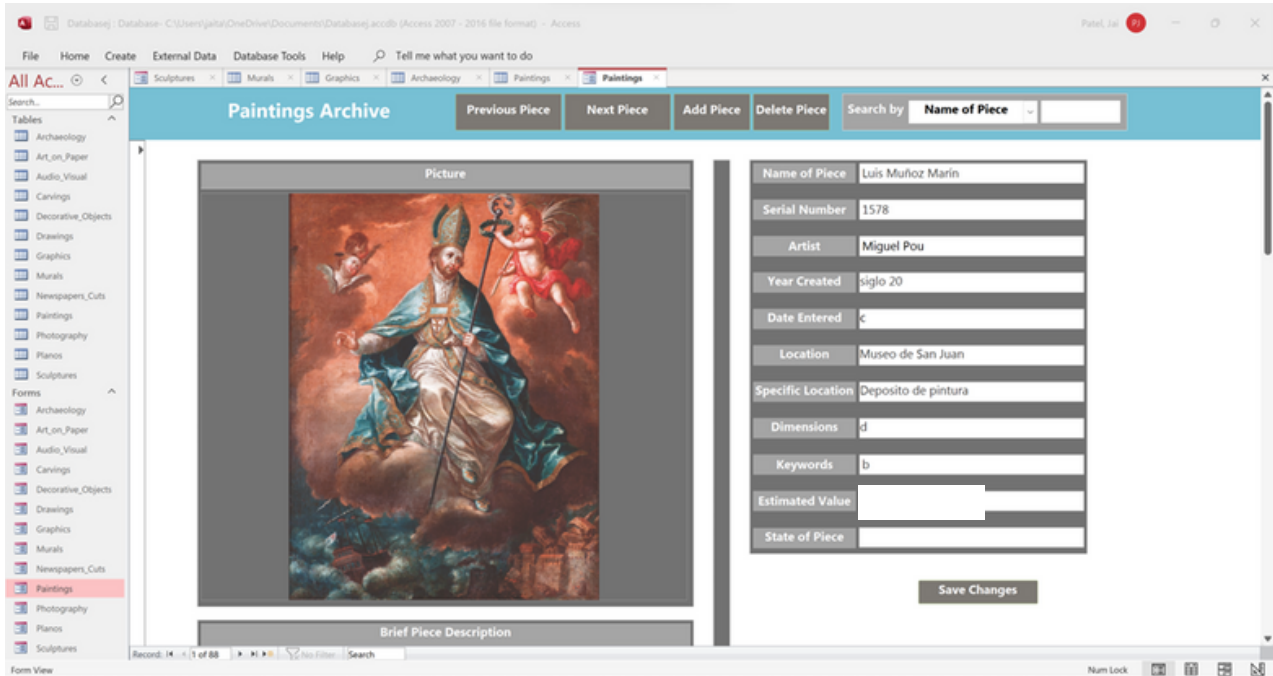


1. To edit the fields of a piece, click into any of the text boxes and modify the contents. In addition, you can modify the image by clicking on the large gray box below the “Picture” header, where it will prompt you with a paper clip icon to click to add, remove, or replace a picture, as shown below:

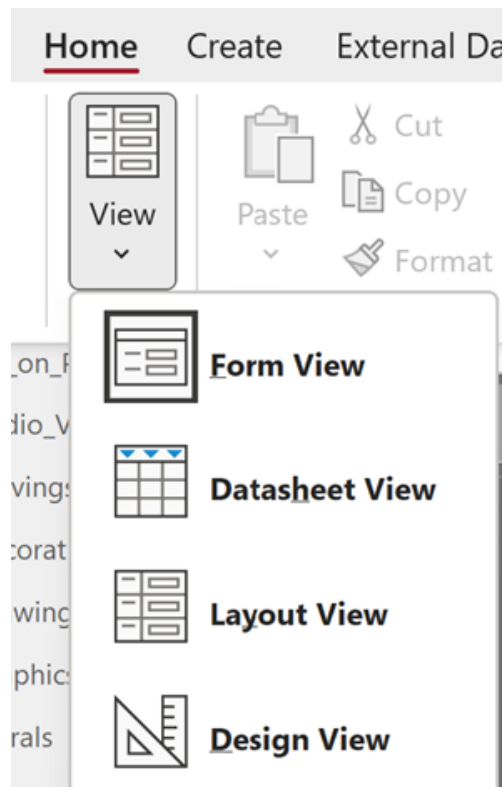


## 2.6 How to Search for a Piece

To search for a piece in a table, first ensure that the specified form is open, following the instructions from Section 2.1. Once the form is open, you should see the following:



Make sure to view the form in Form View by clicking on Home in the top toolbar, then click View, then click Form View as shown below:

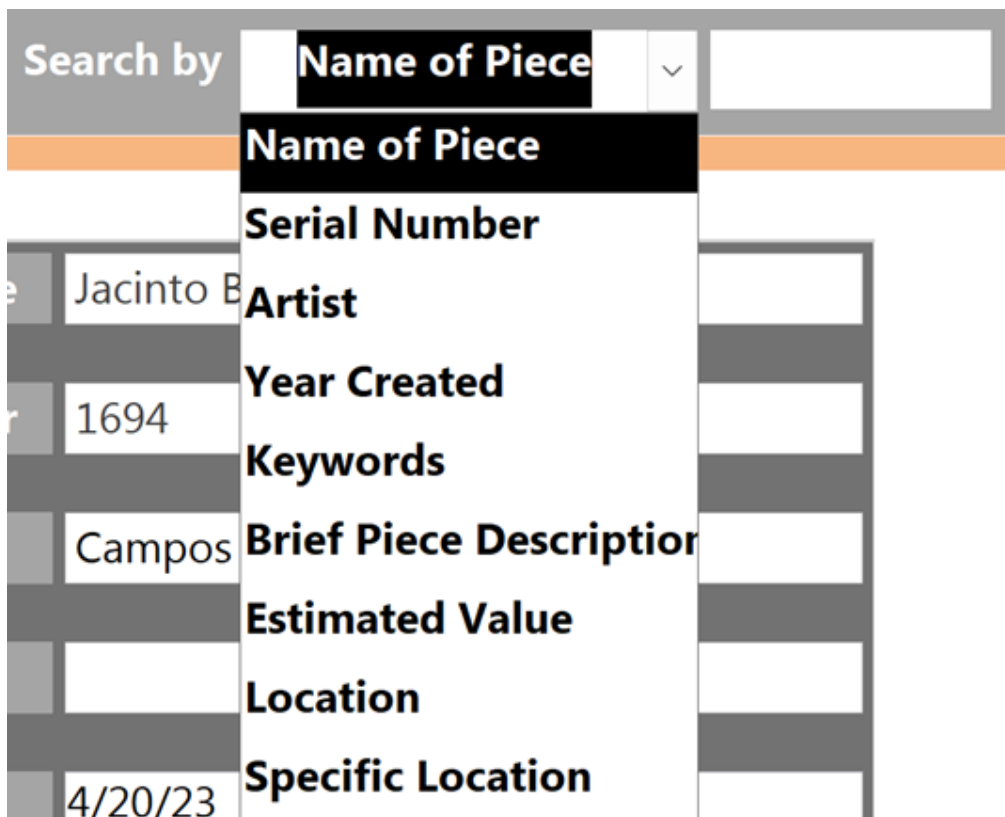


1. Once you have the form pulled up, you will see the following in the top-right corner:



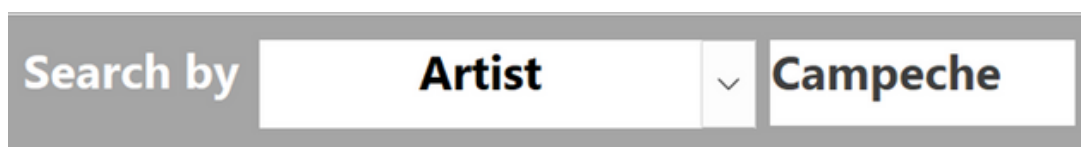
A search bar with a grey background. On the left, it says "Search by". To its right is a white dropdown menu with "Name of Piece" selected. Further right is an empty white search input box.

2. Open the drop-down menu by clicking the downwards arrow to the right of Name of Piece. You should then see the following:



The search bar from the previous image, but with the dropdown menu open. The menu lists the following options: "Name of Piece", "Serial Number", "Artist", "Year Created", "Keywords", "Brief Piece Description", "Estimated Value", "Location", and "Specific Location". The background shows a table with some data, including "Jacinto B", "1694", "Campos", and "4/20/23".

3. Here, click on the specific metadata you want to search by. Then, click on the empty box to the right and type in the search contents. Attached below is a sample:



The search bar with "Artist" selected in the dropdown menu and "Campeche" entered in the search input box.

4. Only pieces that match the search contents will show up. Once done searching, erase the contents in the search box and click out to go back to the database.

# 3.0

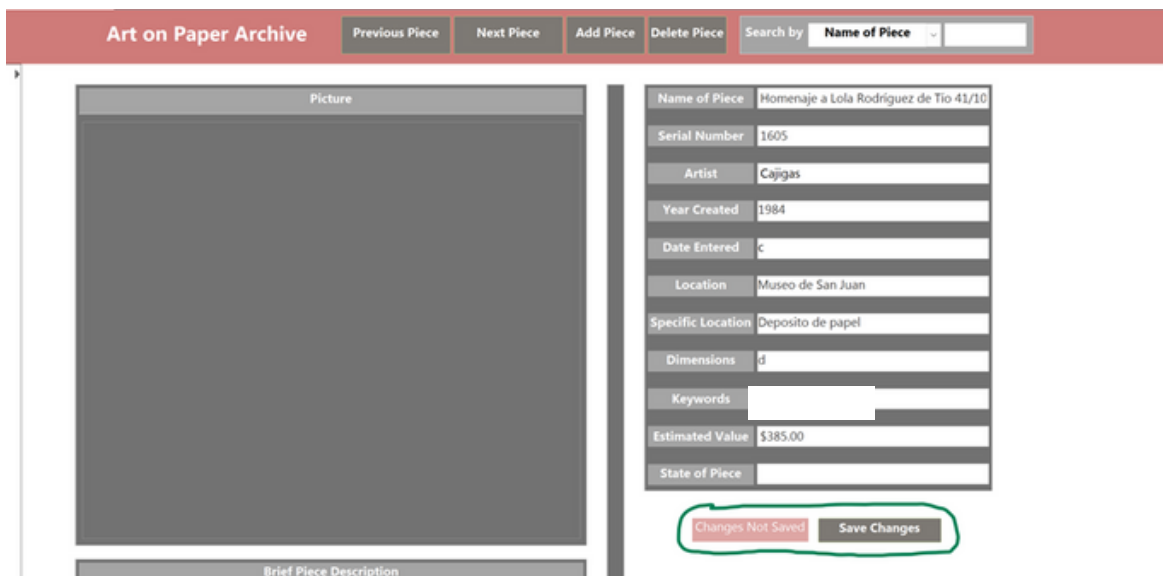
# How to Upload and Save Changes

This chapter provides an overview of how to save the work done on the digital archive to minimize information loss. It includes how to save changes to a piece, how to save the entire archive, and how to ensure the digital archive changes have been synced to the Municipio de San Juan OneDrive.

## 3.1 Making Sure Changes are Saved

**i** When editing a piece’s content in Section 2.5 or adding a piece to the digital archive in Section 2.3, remember to save changes made to the piece.

1. Any time a change is made to a field or image of a piece, the following message will appear underneath all the metadata:



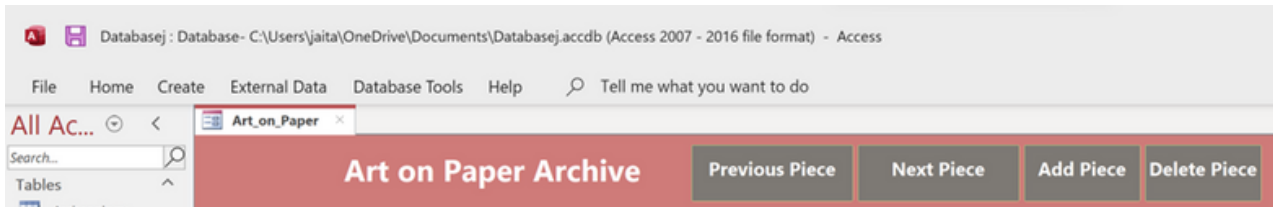
2. The red “Changes Not Saved” message indicates that the changes have not been saved to the piece.

3. To save the changes, click on the “Save Changes” button to the right, and the red “Changes Not Saved” message will go away.

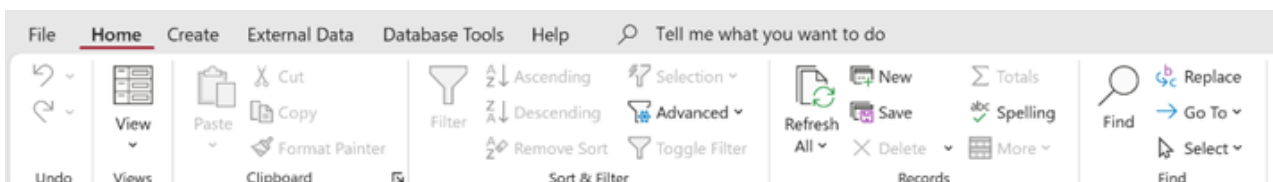
## 3.2 Making Sure the Archive is Saved

To save changes to the digital archive, there are two options:

1. You can click on the save button in the top left corner of the screen as shown below:



2. Or you can click on Home in the top toolbar, and click the Save button in the middle, as shown below:





### 3.3 Making Sure the Archive Syncs to the Municipio de San Juan OneDrive

1. Once you have closed the archive, you should see the following:

 Museo Collection Database  4/24/2023 12:59 PM Microsoft Access ... 42,764 KB



The blue double arrow icon indicates that the changes have not yet been synced to the cloud.

2. To see that the changes have synced to the Municipio de San Juan OneDrive, wait for the double arrow icon to change to a green check mark:

 Museo Collection Database  4/24/2023 12:59 PM Microsoft Access ... 42,764 KB

This chapter provides another Microsoft Access user manual for further reference and ideas for further developing the digital archive in the future.

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## 4.1 Microsoft's User Manual



This link will direct you to a comprehensive Microsoft Access user manual developed by Microsoft:

[Click Here](https://support.microsoft.com/en-us/office/access-video-training-a5ffb1ef-4cc4-4d79-a862-e2dda6ef38e6) - <https://support.microsoft.com/en-us/office/access-video-training-a5ffb1ef-4cc4-4d79-a862-e2dda6ef38e6>

Both videos and text instructions are provided as the manual guides you through creating a database, importing data, creating forms, etc.

## 4.2 Further Development

The project team recommends using Microsoft's Visual Basic for Applications (VBA) to add desired features to the digital archive system as the collection of the Museo de San Juan grows over time. VBA can be used to automate data entry, create custom reports on the collection, and integrate the Access database with other Office applications like Excel and Outlook for communication with other institutions.

This link will direct you to a reference document developed by Microsoft for using VBA in Microsoft Access:

[Click Here](https://learn.microsoft.com/en-us/office/vba/api/overview/access) - <https://learn.microsoft.com/en-us/office/vba/api/overview/access>

