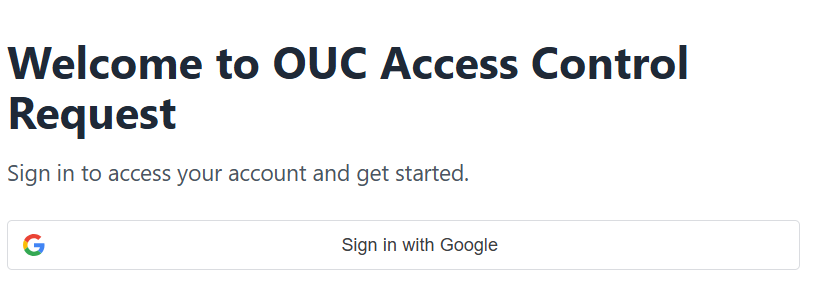
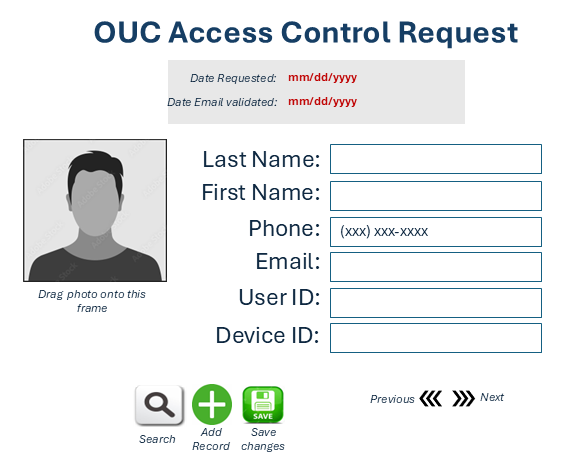
1. Create a React framework app to track user requests for digital access. This would require express.js as the back end with a mySQL data store, and tailwind for the front end.
2. Create this app in the ubuntu 24.2.04 development server at 192.168.72.250 in \home\jawilson\fullstack-app.
   1. Development server login credentials:
      1. User: jawilson
      2. Password: DanaDenyse32
   2. Mysql database information:
      1. User: ouc-it
      2. password: Y&U\*i9o0p
      3. database: oucsda
      4. table: ChurchMembers
         1. `EmpId` int NOT NULL AUTO\_INCREMENT,
         2. `Lastname` varchar(50) COLLATE utf8mb4\_general\_ci NOT NULL,
         3. `Firstname` varchar(50) COLLATE utf8mb4\_general\_ci NOT NULL,
         4. `Phone` varchar(50) COLLATE utf8mb4\_general\_ci NOT NULL,
         5. `Email` varchar(80) COLLATE utf8mb4\_general\_ci NOT NULL,
         6. `Picture` longblob,
         7. `EmailValidationDate` datetime DEFAULT NULL,
         8. `RequestDate` datetime NOT NULL,
         9. `DeviceID` varchar(50) COLLATE utf8mb4\_general\_ci DEFAULT NULL,
         10. `DeptId` tinyint DEFAULT NULL,
         11. `userid` char(50) CHARACTER SET utf8mb4 COLLATE utf8mb4\_general\_ci ,
         12. `gmail` char(80) CHARACTER SET utf8mb4 COLLATE utf8mb4\_general\_ci, DEFAULT NULL ,
         13. PRIMARY KEY (`EmpId`)
         14. ) ENGINE=InnoDB AUTO\_INCREMENT=3 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4
3. Landing page
   1. Implement a standard login that implements Google authentication
   2. Google email is stored in a hidden field <gmail>
   3. If google login fails, load Data Form and store DataForm.email value in hidden field <gmail>  
      
4. Data form template



1. Data Form fields:
   1. EmpId
      1. Hidden value on data form to be used for data table updates. Default value should be 0 indicating a new record insert. A value above 0 would indicate that the record should be updated. Always use the EmpID to update a record.
   2. lastname
      1. Required
      2. Label: Last Name:
      3. A portion of the value may be combined with other form field values for searching.
   3. firstname
      1. Required
      2. Label: First Name:
      3. A portion of the value may be combined with other form field values for searching
   4. Phone
      1. Required
      2. Label: Phone:
      3. Format: (XXX) XXX-XXXX
      4. Input validation for 10 digits
      5. Search data table if this is the only value on the form and the search button is clicked.
   5. Email
      1. Required
      2. Label: Email Address:
      3. Execute Input validation for correct email format.
      4. Search data table if this is the only value on the form and the search button is clicked.
      5. When record is saved implement email validation protocols to address and update the EmailValidationDate field when validated.
      6. Send a confirmation back to the email address
   6. Emailvalidationdate
      1. Label: Email Validated on:
      2. Users cannot edit this field, should be grayed out.
   7. RequestDate
      1. Label: Date of Request:
      2. Users cannot edit this field, should be grayed out
      3. Put the current date in this field when the record is first inserted into the data table
   8. DeviceID
      1. Label: Phone Device ID:
   9. Userid
      1. Label: UserID
         1. This field is only active on a new record
         2. Search data table if this is the only value on the form when the Search button is clicked
   10. Picture
       1. Label: Selfie (Referred to as PictureFrame)
       2. Create a 2”x2” single bordered frame directly across from the Lastname Field with an image file called ‘PhotoID.jpeg’ loaded from the \home\jawilson\fullstack-app\images folder when the Hidden field: <EmpID> is 0
       3. Passport photo size image located to the left of the LastName field on the form
       4. Allow users to drag a PNG or JPEG file into the picture frame
       5. Save image on insert or update into ChurchMembers.picture field.
       6. Allow users to download the image when rendered in the picture frame.
2. Data Form Controls
   1. The following buttons should be aligned along the bottom of the page as follows
      1. New
         1. Initializes all form values, set the hidden field <EmpID> to zero
         2. Reloads the <blank.jpg> form in the Picture Frame
      2. Save
         1. Performs field validation on form to ensure that all required fields are filled in and displays as appropriate message where applicable.
         2. If everything checks out, insert the record if the <EmpID> value is 0 or update the record where the ChurchMembers.empid = the Dataform.empid.
      3. Search
         1. Search button is disabled unless the Dataform.gmail value is: ‘jawilson1947@gmail.com
         2. Search the <ChurchMembers> data table as follows:
            1. If Dataform.Lastname or Dataform.firstname fields have values, then search the ChurchMembers table where the ChurchMembers.lastname is like DataForm.lastname and ChurchMembers.firstname is like DataForm.firstname
         3. If Dataform.Userid has a value, then search the ChurchMembers table where ChurchMembers.userid = DataForm.userid
         4. If Dataform.Phone has a value, then search ChurchMembers where ChurchMembers.phone = Dataform.phone
         5. If Dataform.email has a value, then search ChurchMembers where ChurchMembers.email = Dataform.email
      4. >>
         1. Enabled if a search retrieves more than one record, then move one record forward in the recordset and display on the Dataform.
      5. <<
         1. Enabled if a search retrieves more than one record, then move one record backward in the recordset and display data on the Dataform.