DATA BASE CONSULTANTS (DBC)

Project : Community Service Organization (CSO)

Report by: Alexander Sato

Date: May 5, 2020

Subject: Final Deliverable

Status: The database is now feature complete and ready for deployment. Users can insert data, modify data, and delete data. The program contains all relevant reports as well as a page dedicated to common views. Common reports have advanced features to allow better business intelligence integration. A user help page has been implemented to assist acclimation. All input forms contain validation. The next step is integration and implementation. The database will be monitored in day-to-day use to identify any issues with the final system. A follow up report as well as user interviews will be conducted to address end-user concerns.

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**User Features & Benefits**

* Users can access reports and forms for each aspect of the database for business intelligence.
* Users can sort tables and reorder columns to better arrange relevant data.
* Users can create new attributes to expand the database when needed.
* Users can edit existing attributes to update the database when needed.
* Users can delete attributes to clean up the database as needed.
* Users can generate charts and pivots for each form for business intelligence.
* A common views page has been added to aggregate views in an easy to find page for user clarity and simplicity.
* A user help page has been implemented to teach and assists users.
* Input validation has been added to keep user edits and inputs consistent with the database dictionary.

**User Operating Instructions**

Upon log in, the user is greeted by the home screen. All navigation is handled by the left hand navigation menu. Each page is grouped in categories, to drill down click the downwards arrow. Click the text to access the page related to the title. To add a new attribute, click on the corresponding Create/Edit button from the navigation bar or go to the related page and click Create on the page itself. To edit or delete attributes go to the corresponding page, find the attribute you wish to edit and click the pencil. If you are editing, make your changes in the corresponding boxes and click the save button. If you are deleting, click the delete button. Further actions can be made using the action bar for interactive reports. Common views are congregated in the common views page. Help is accessed with the help page on the main navigation bar.

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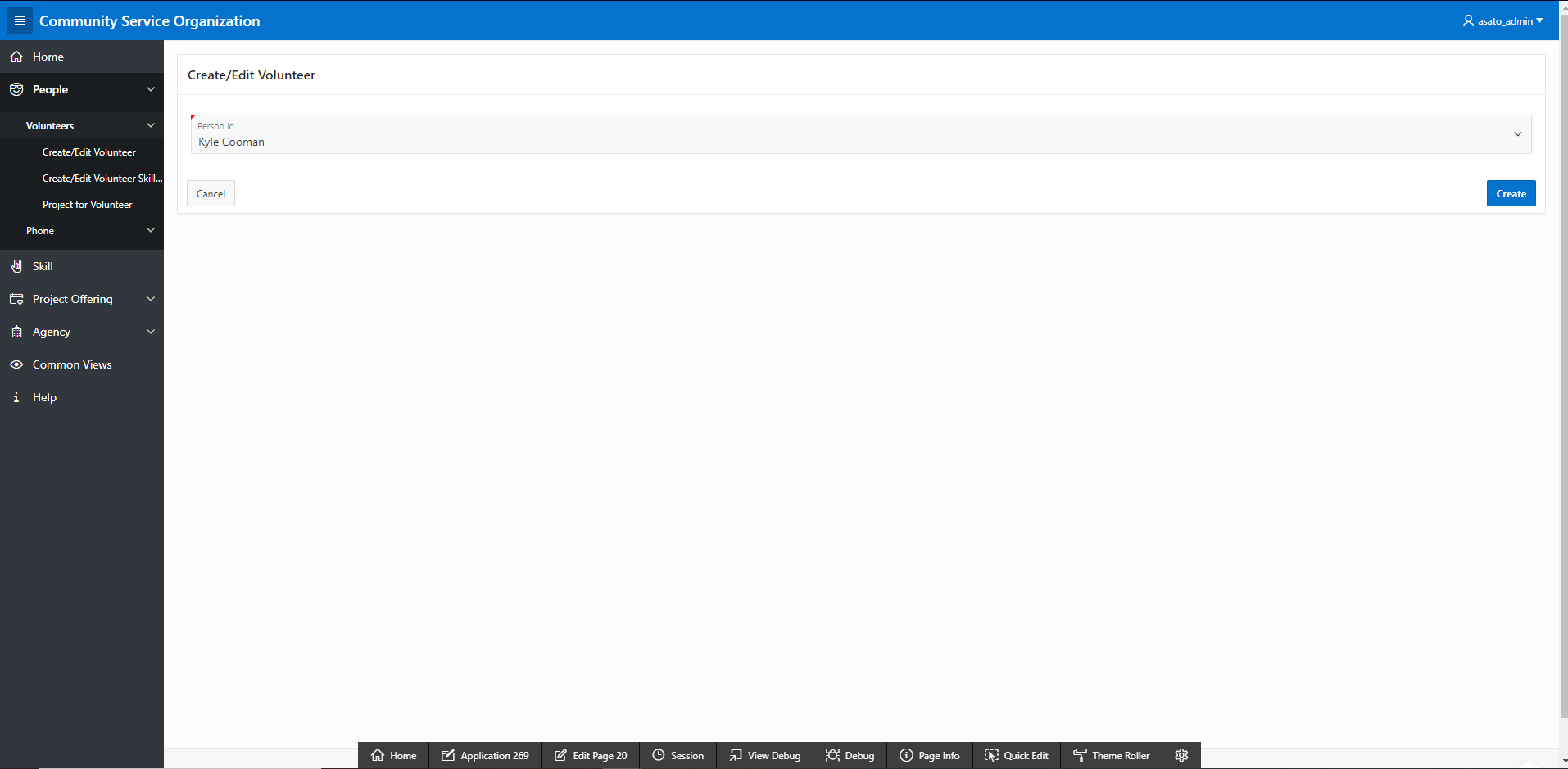
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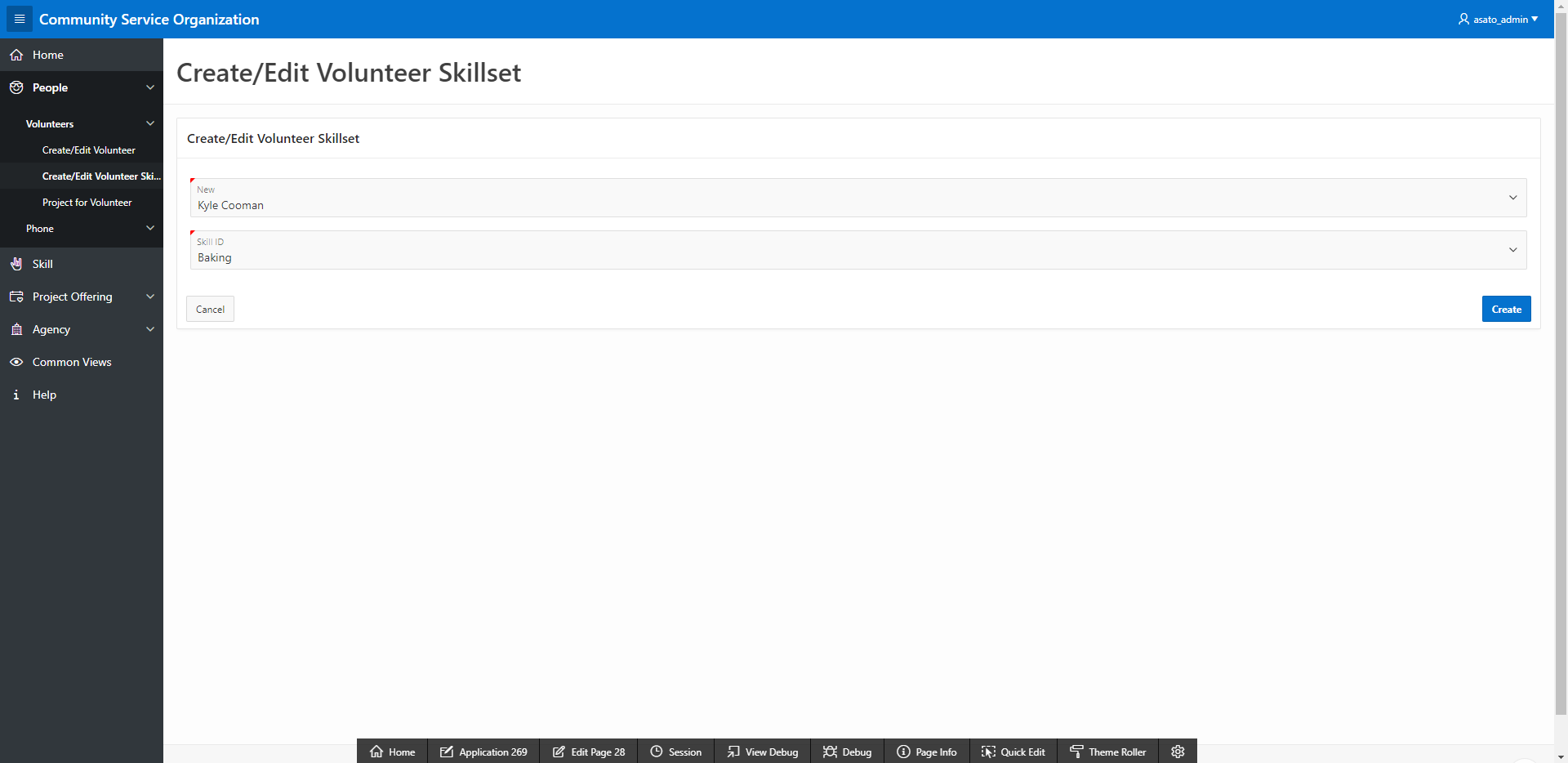
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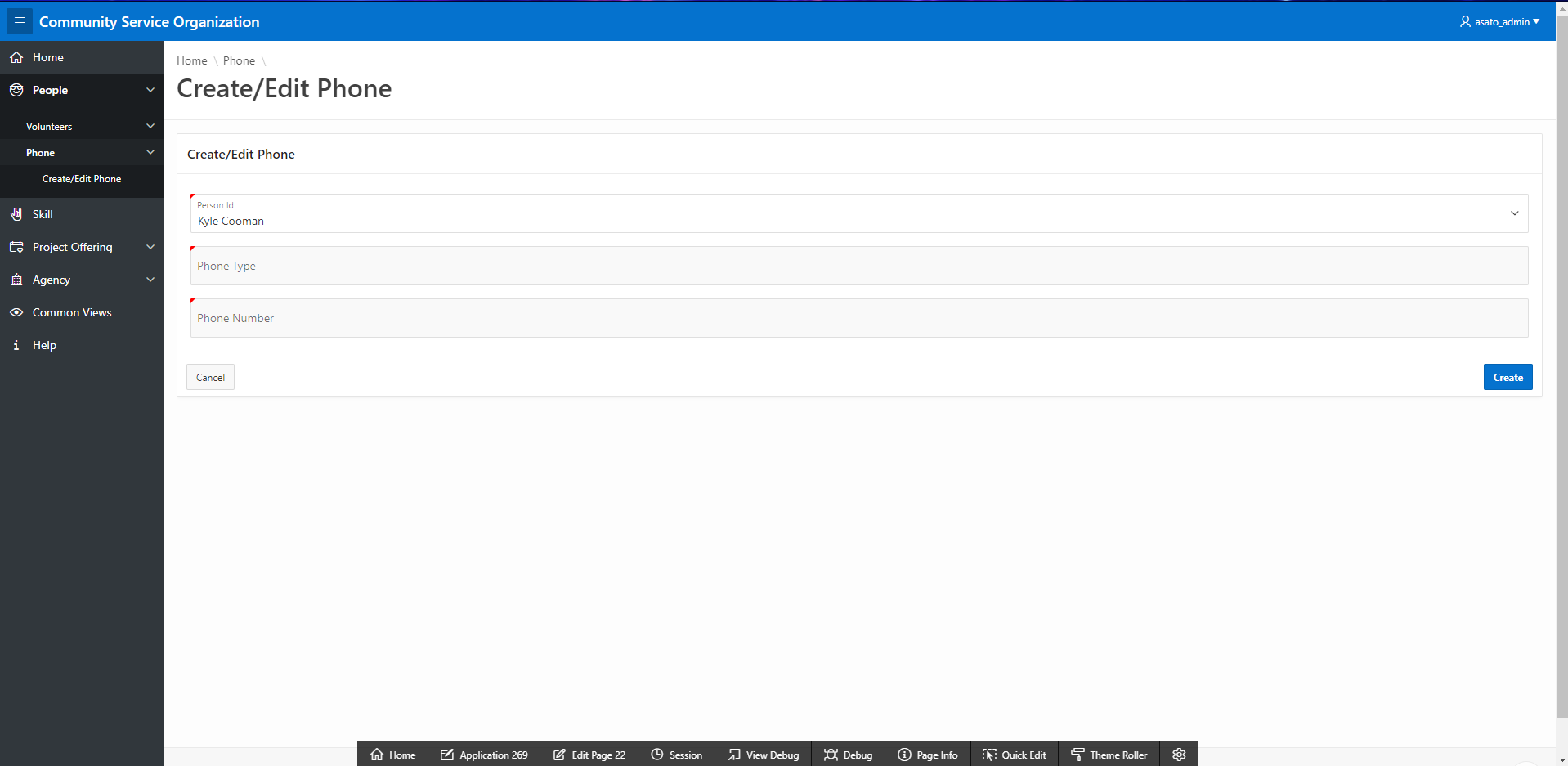
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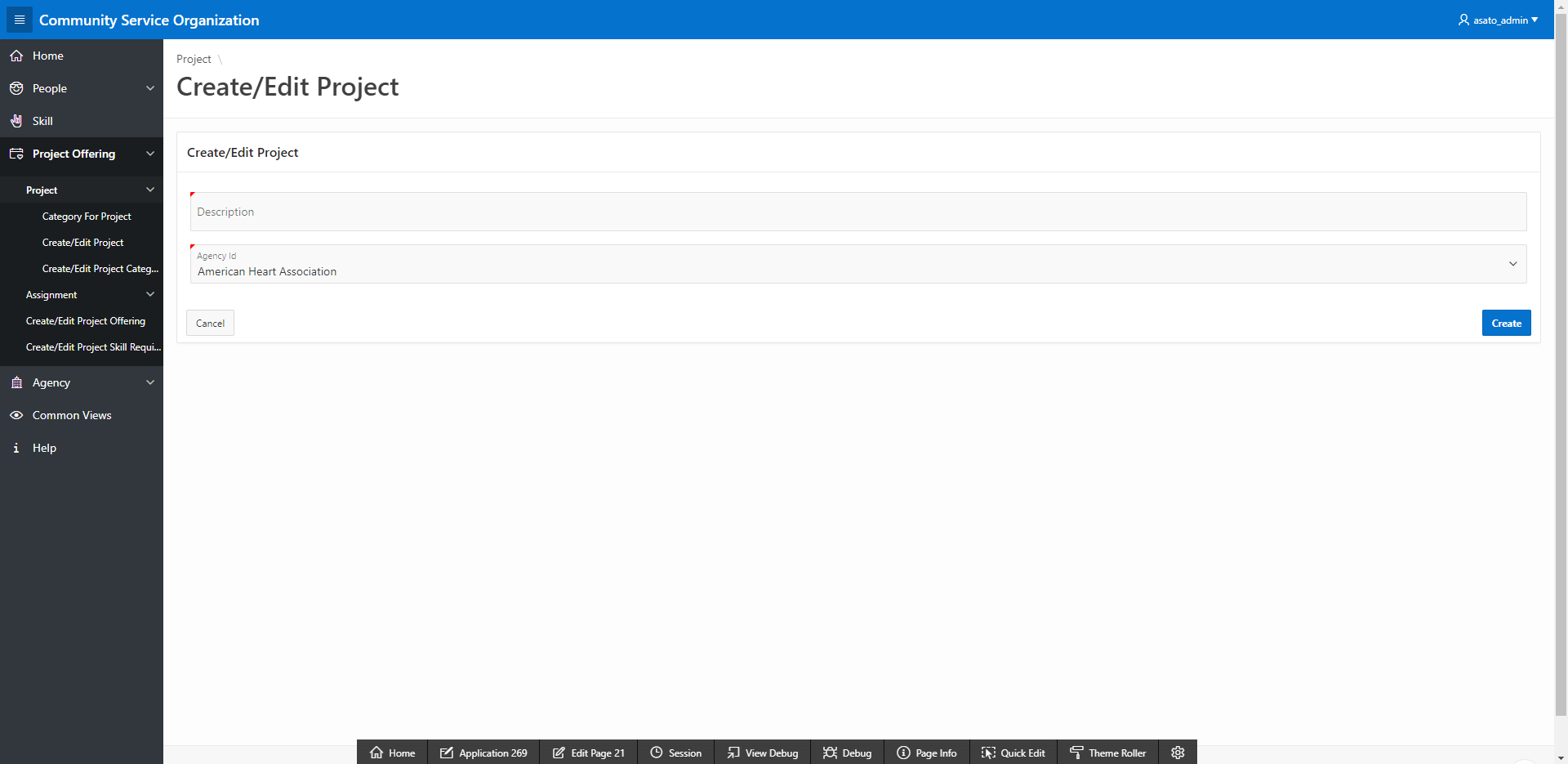
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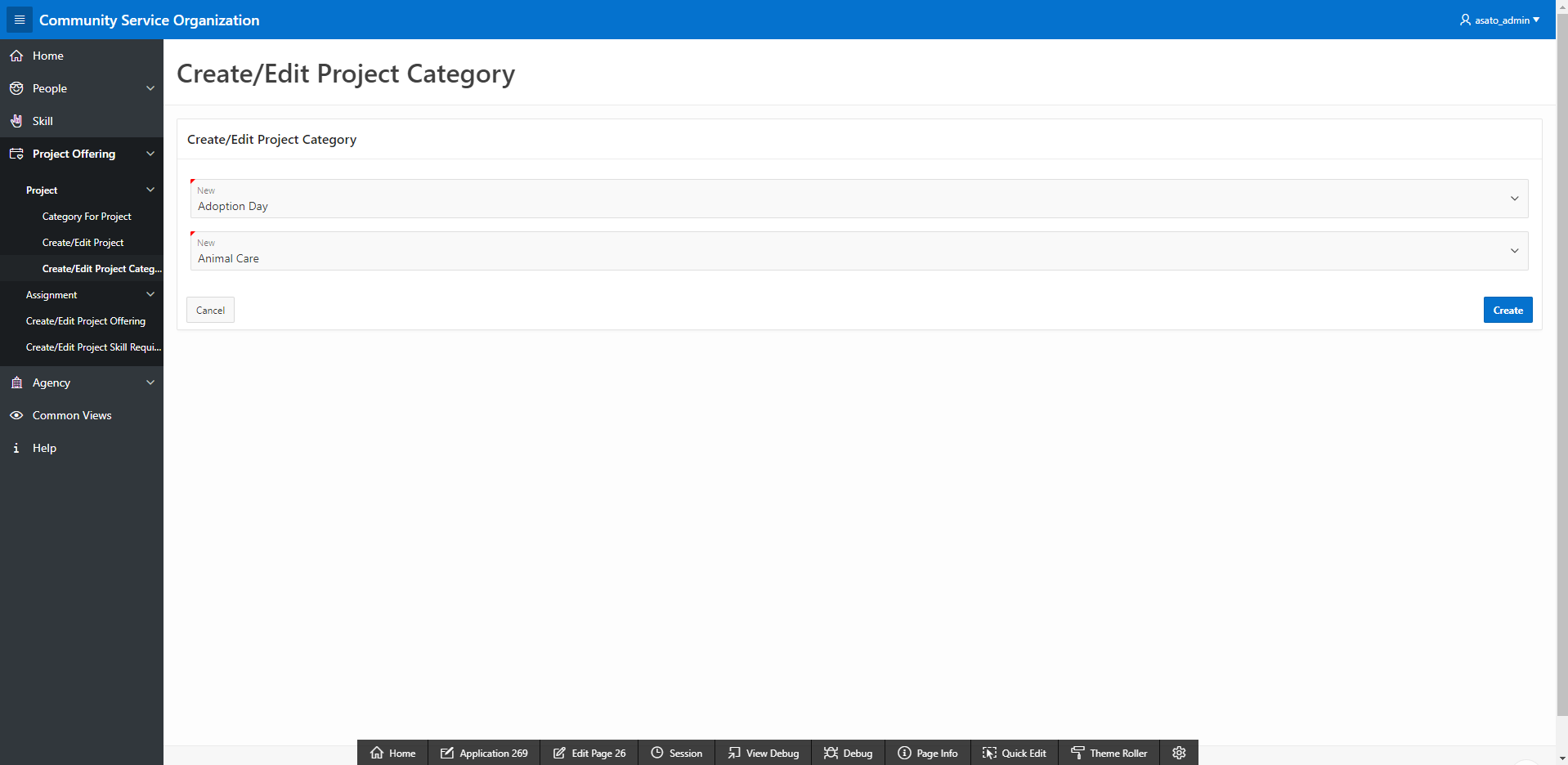
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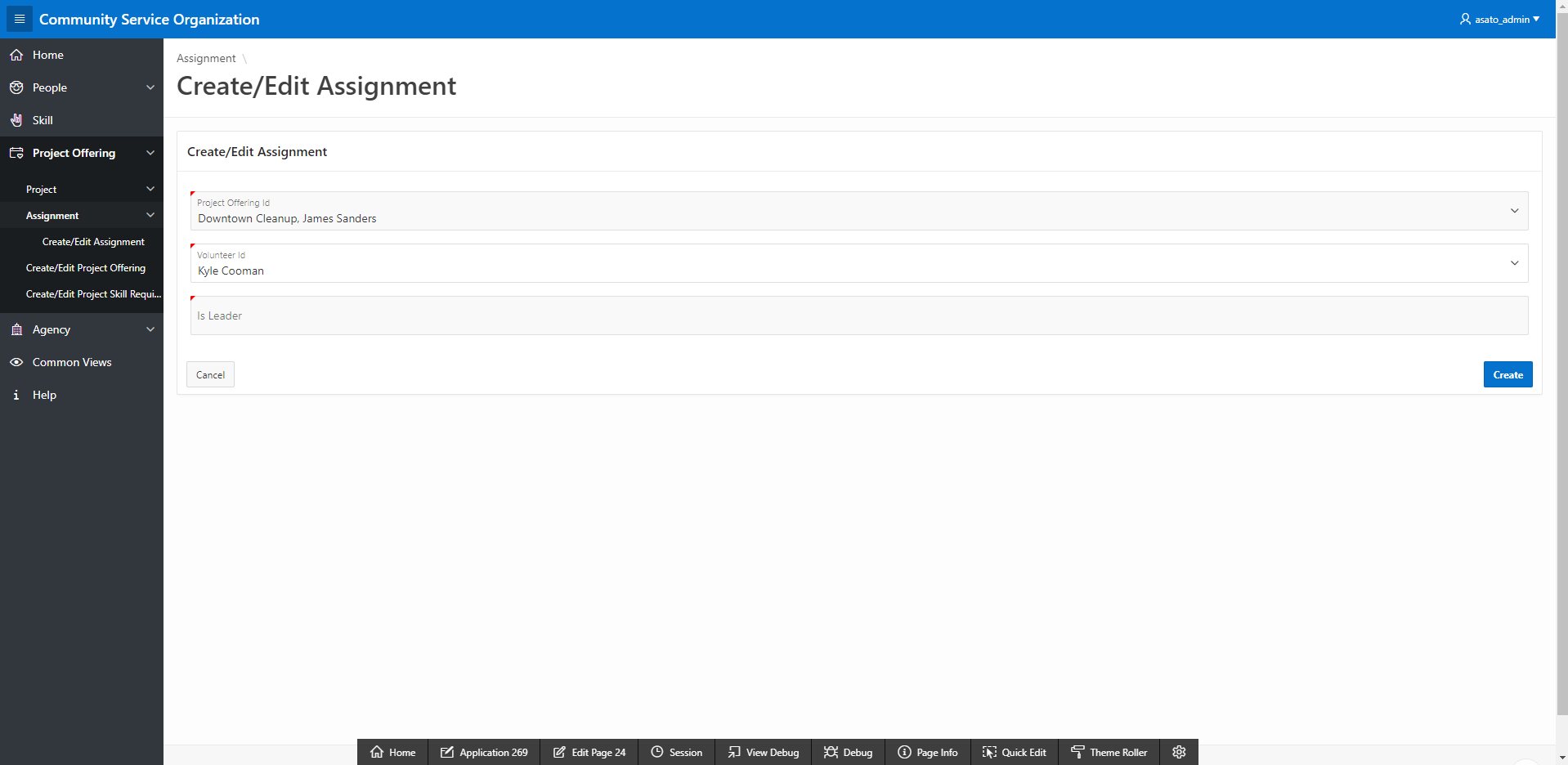
Create/Edit Project (Page 21)



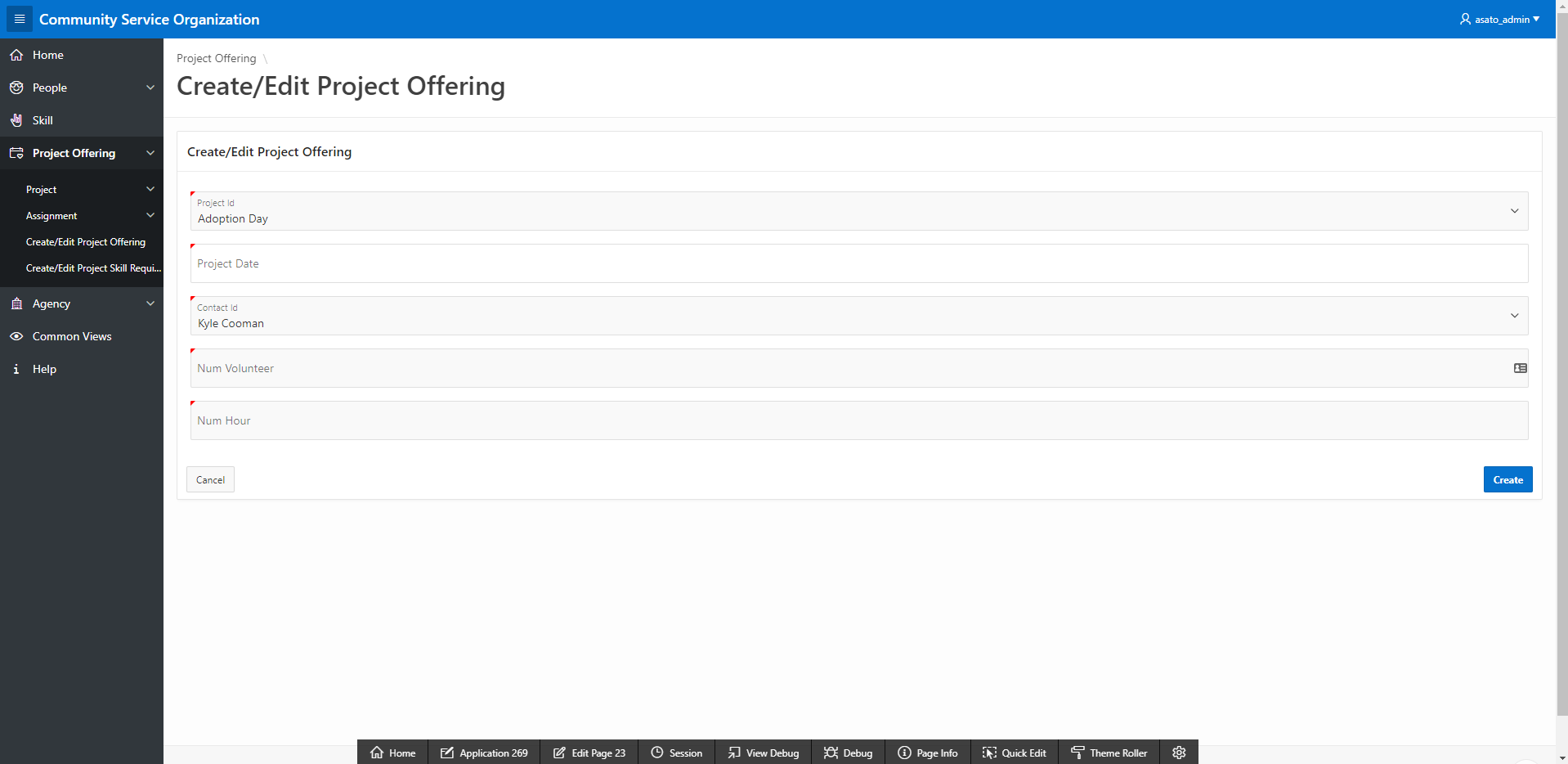
Create/Edit Project Category (Page 26)



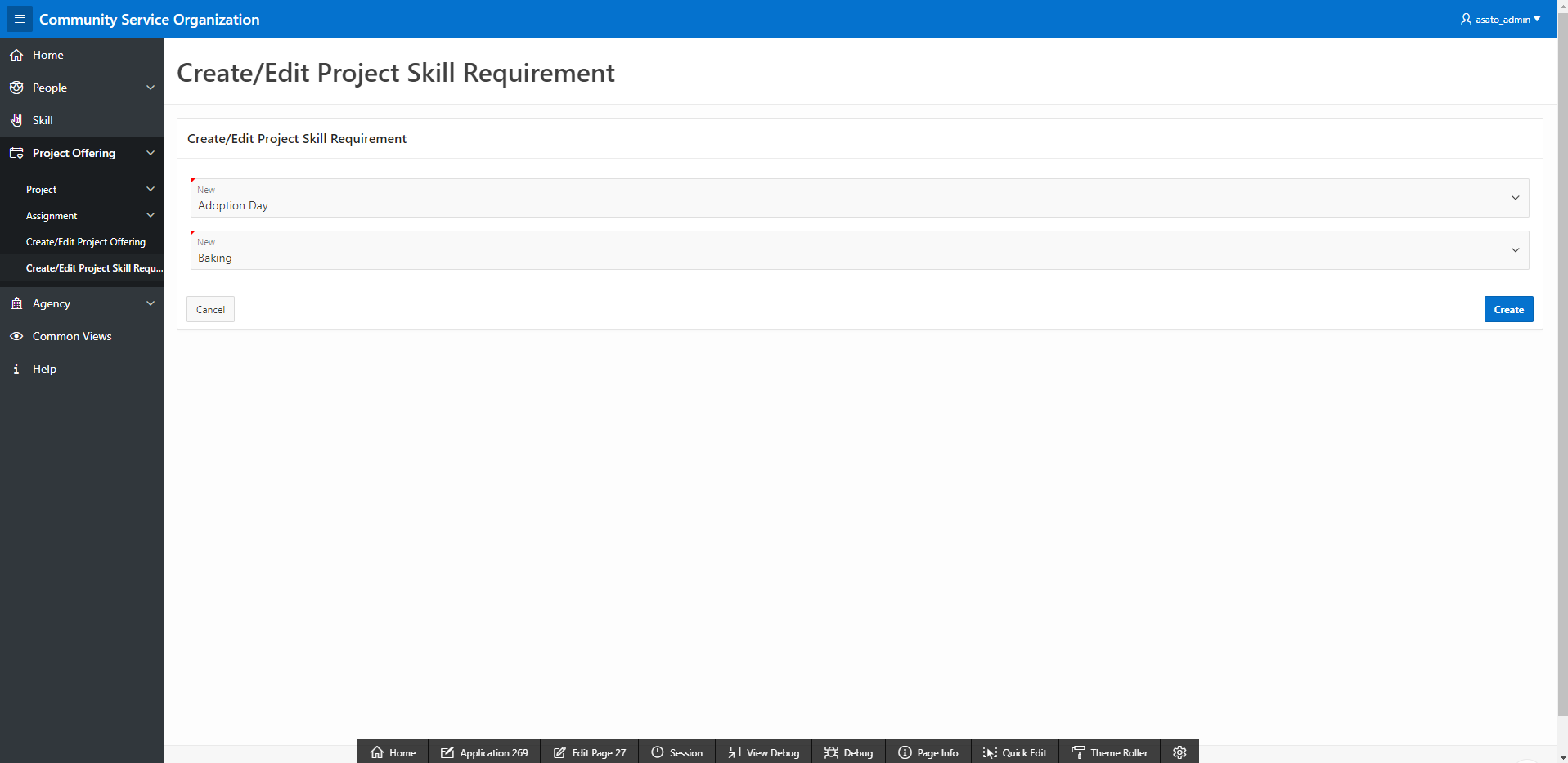
Create/Edit Assignment (Page 24)



Create/Edit Project Offering (Page 23)



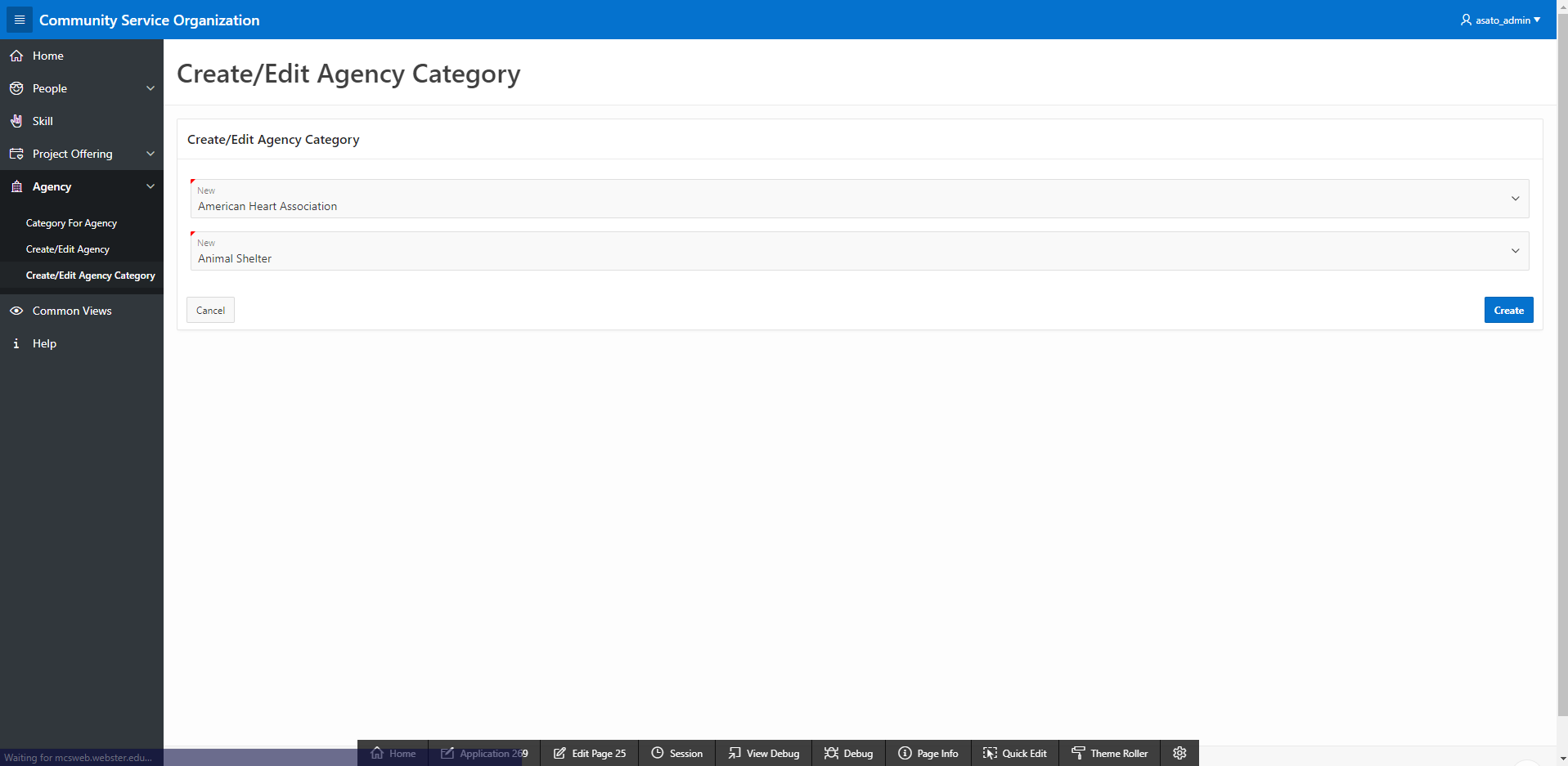
Create/Edit Project Skill Requirement (Page 27)



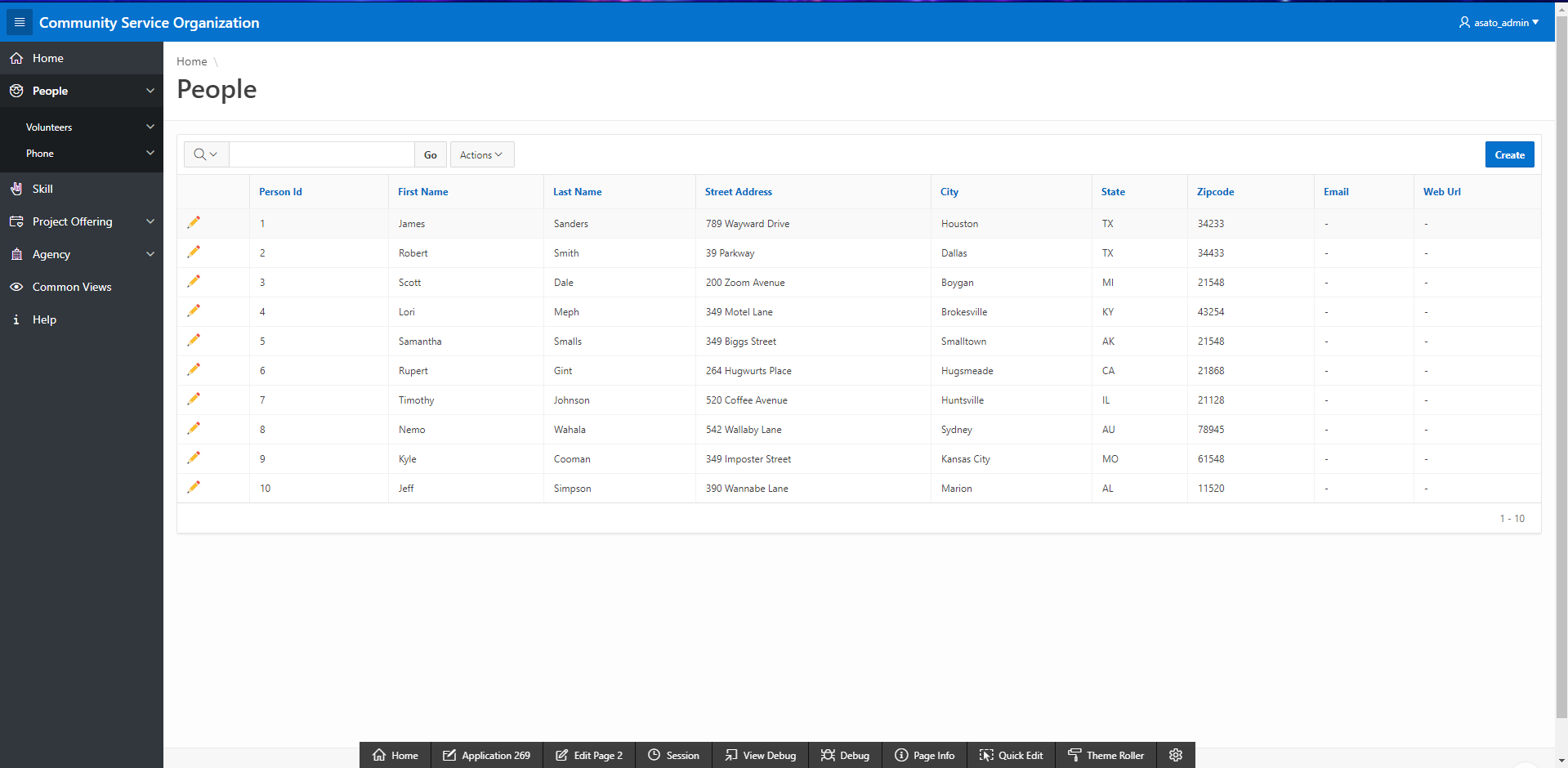
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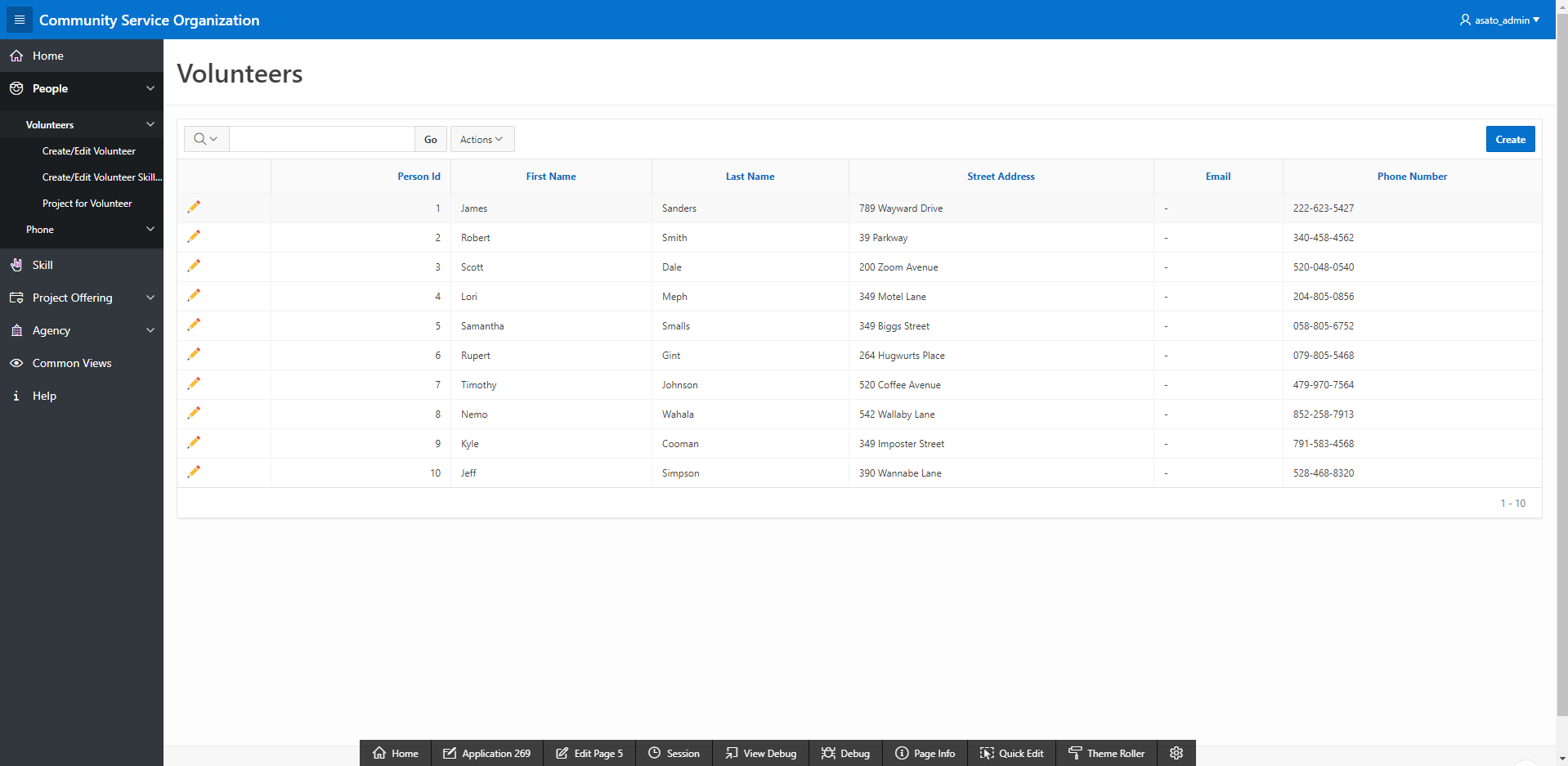
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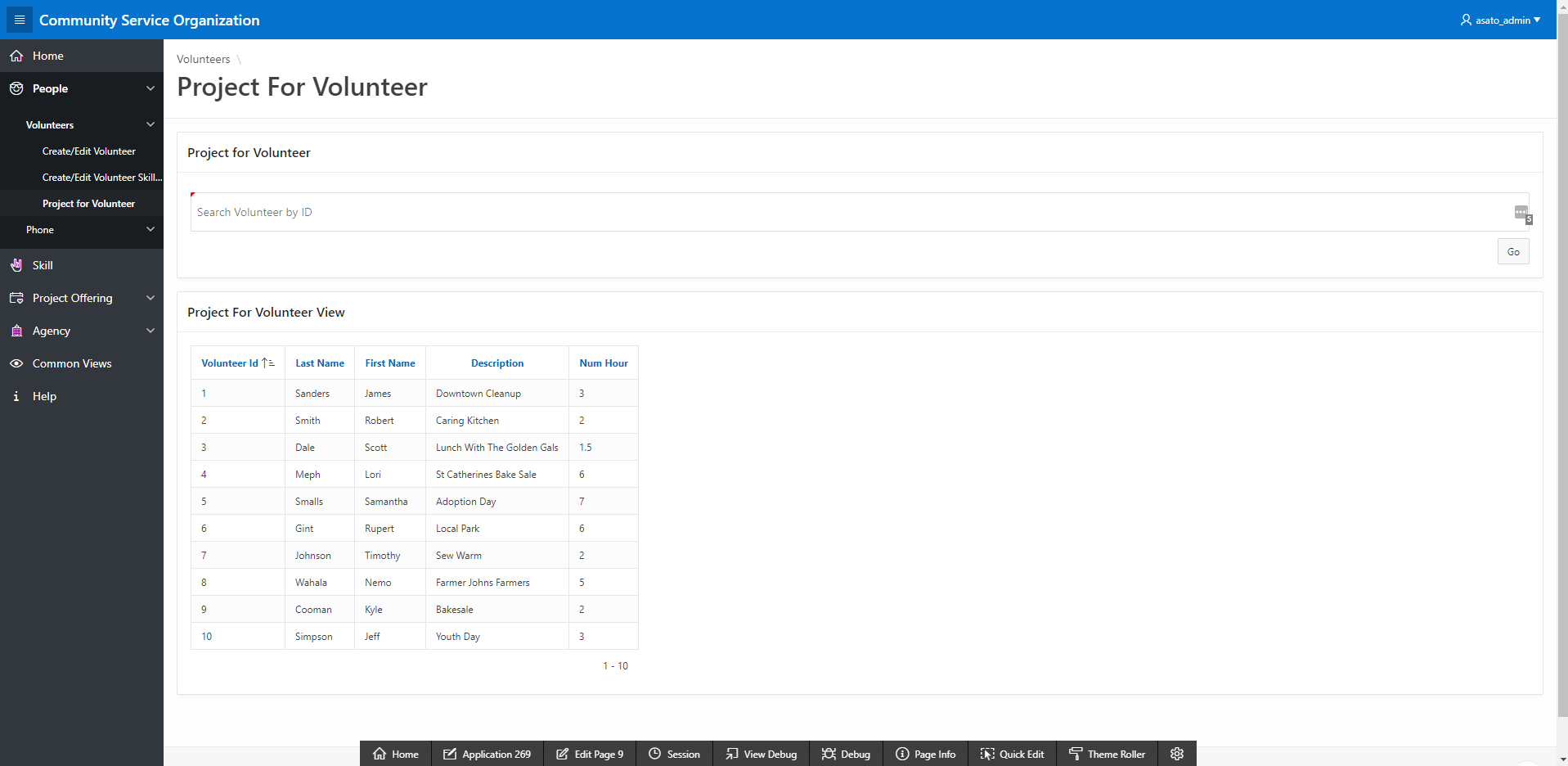
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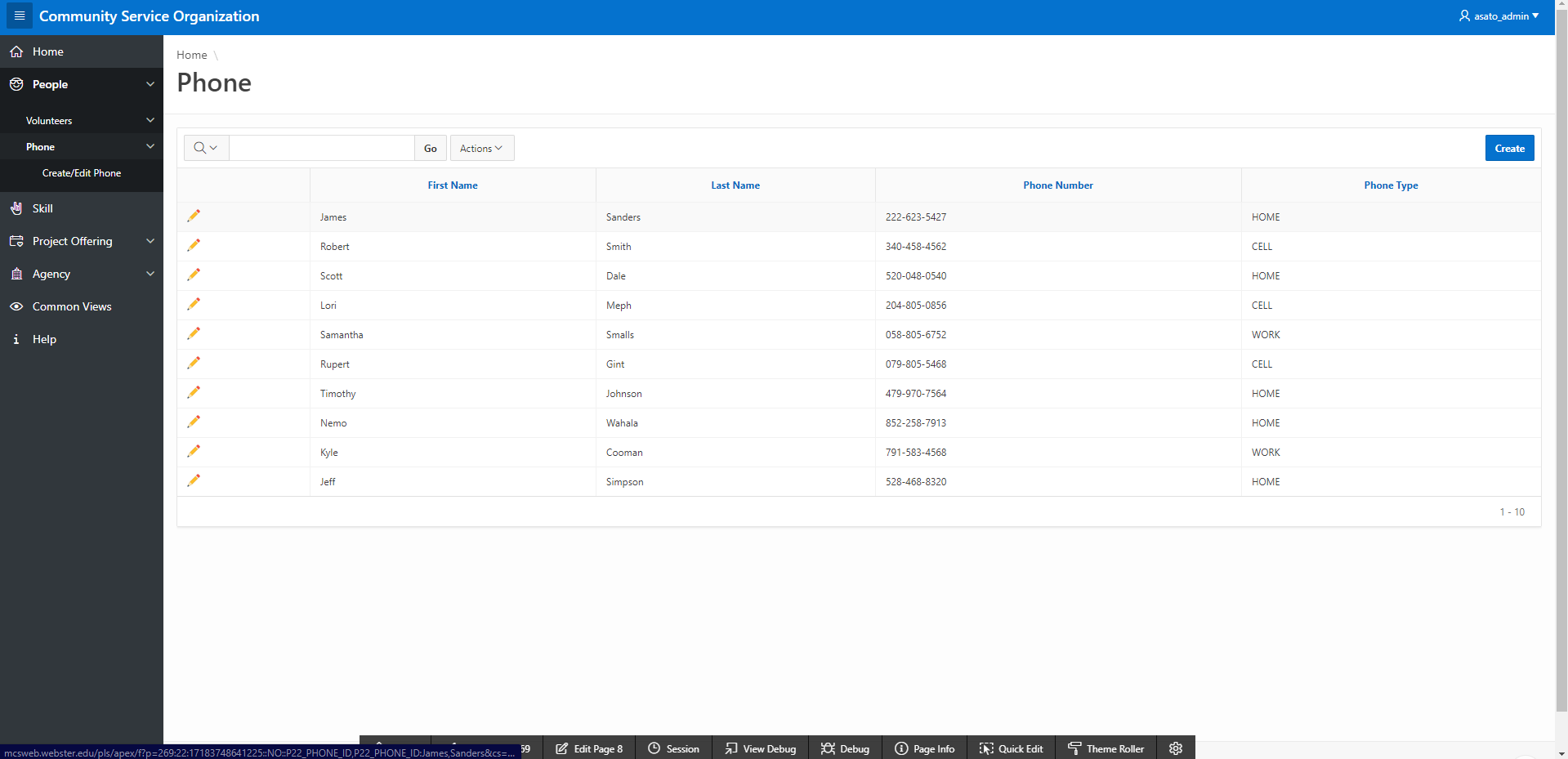
Volunteers (Page 5)



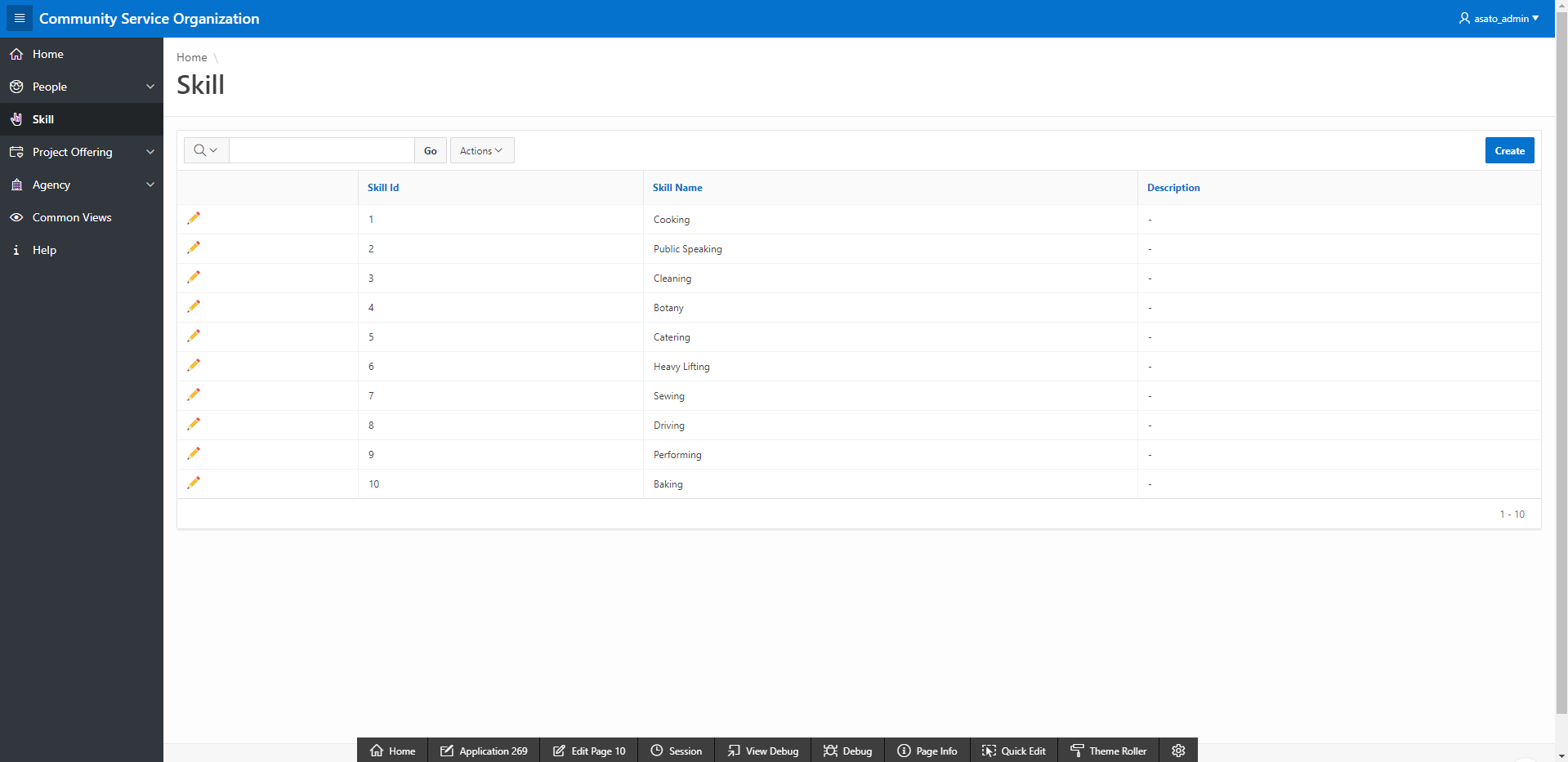
Project for Volunteer (Page 9)



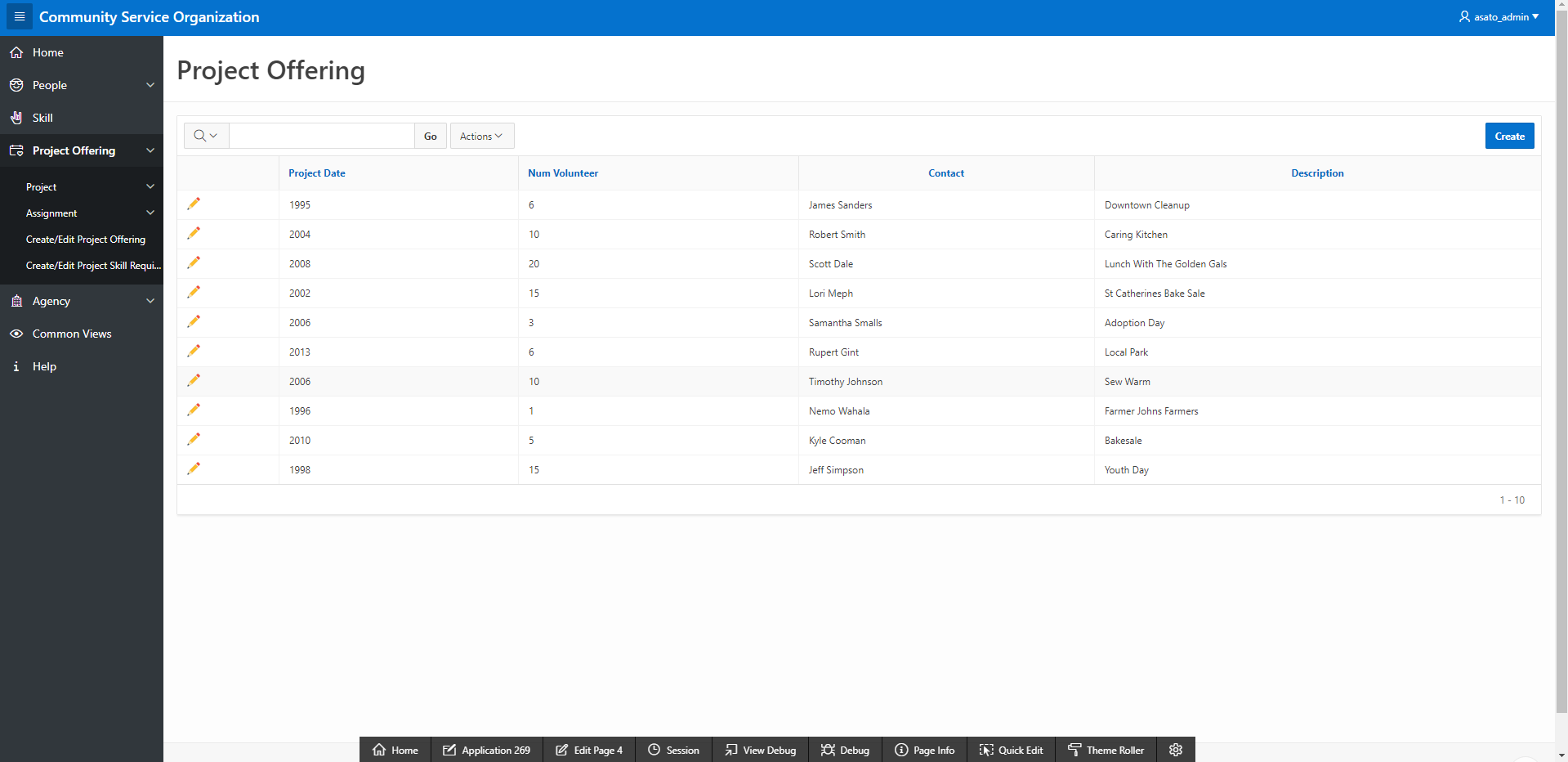
Phone (Page 8)



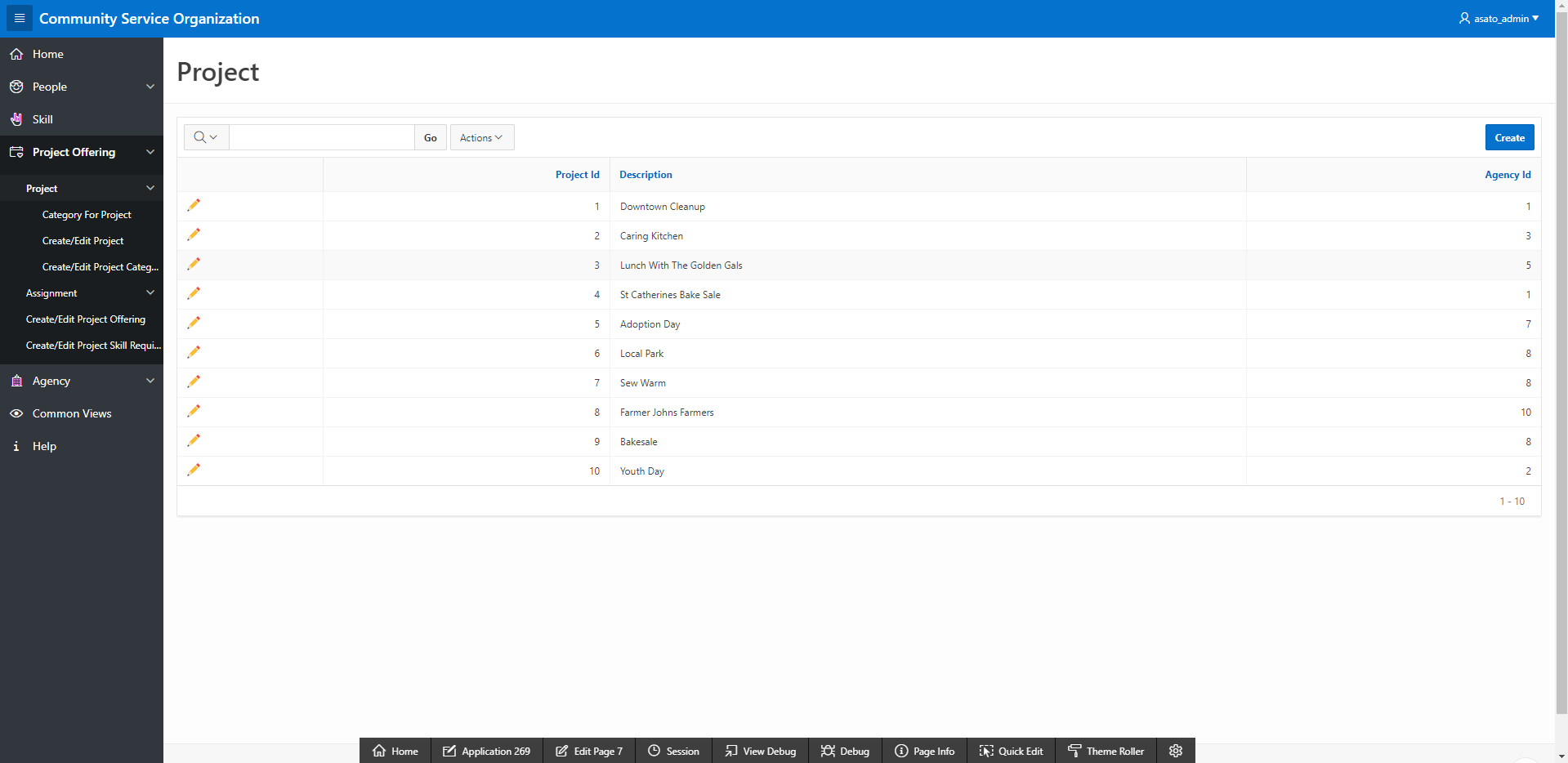
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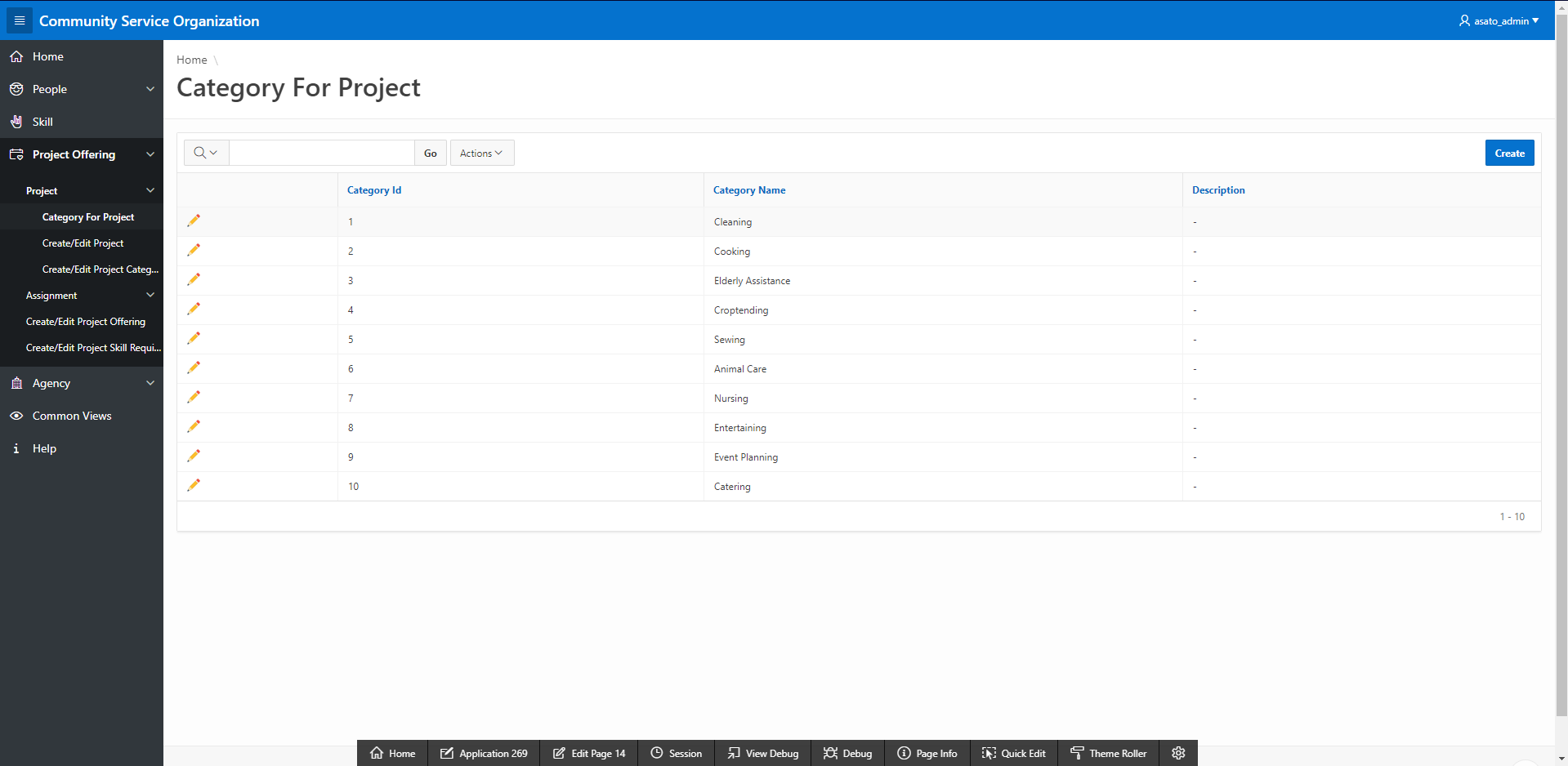
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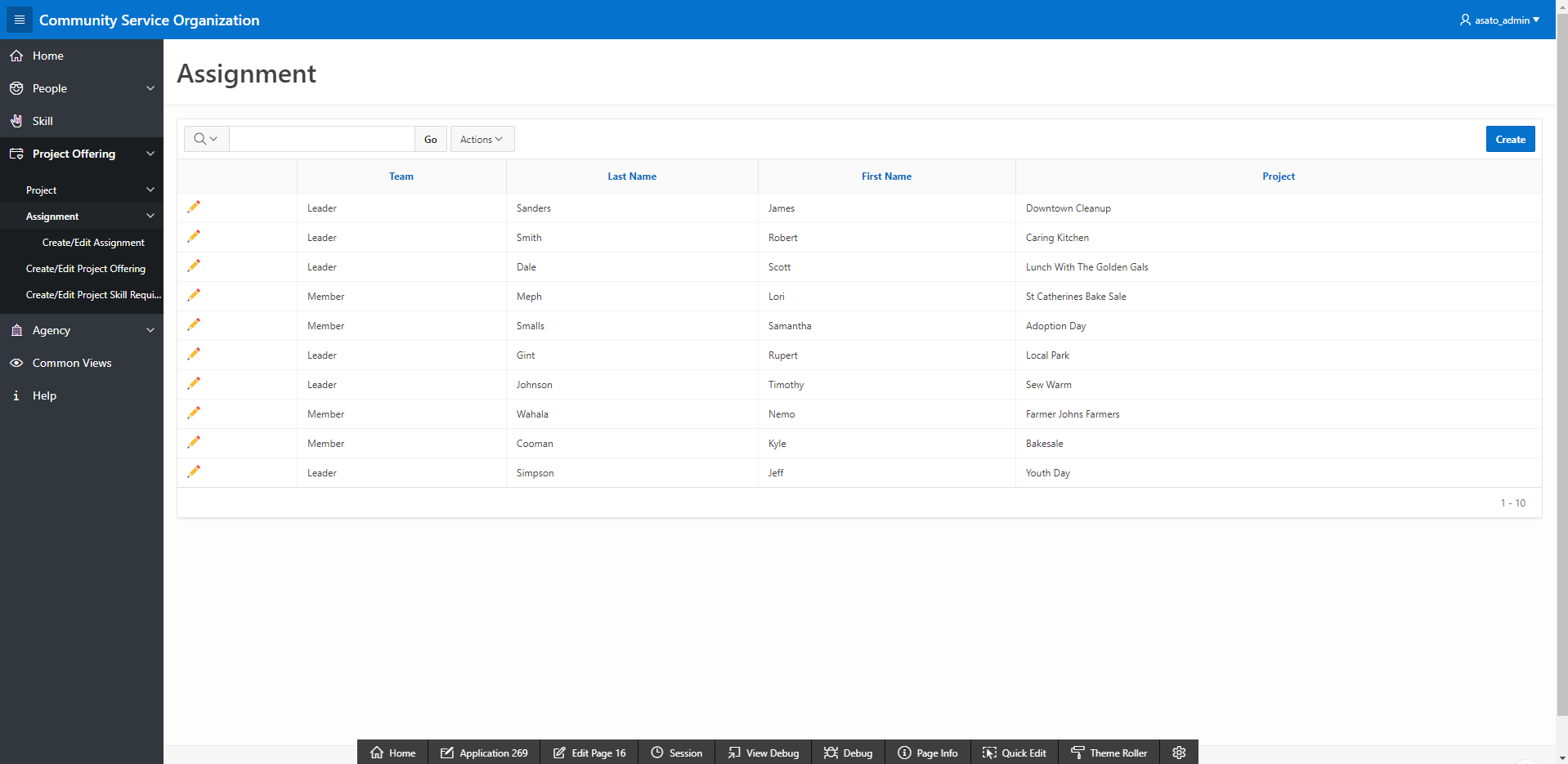
Project (Page 7)



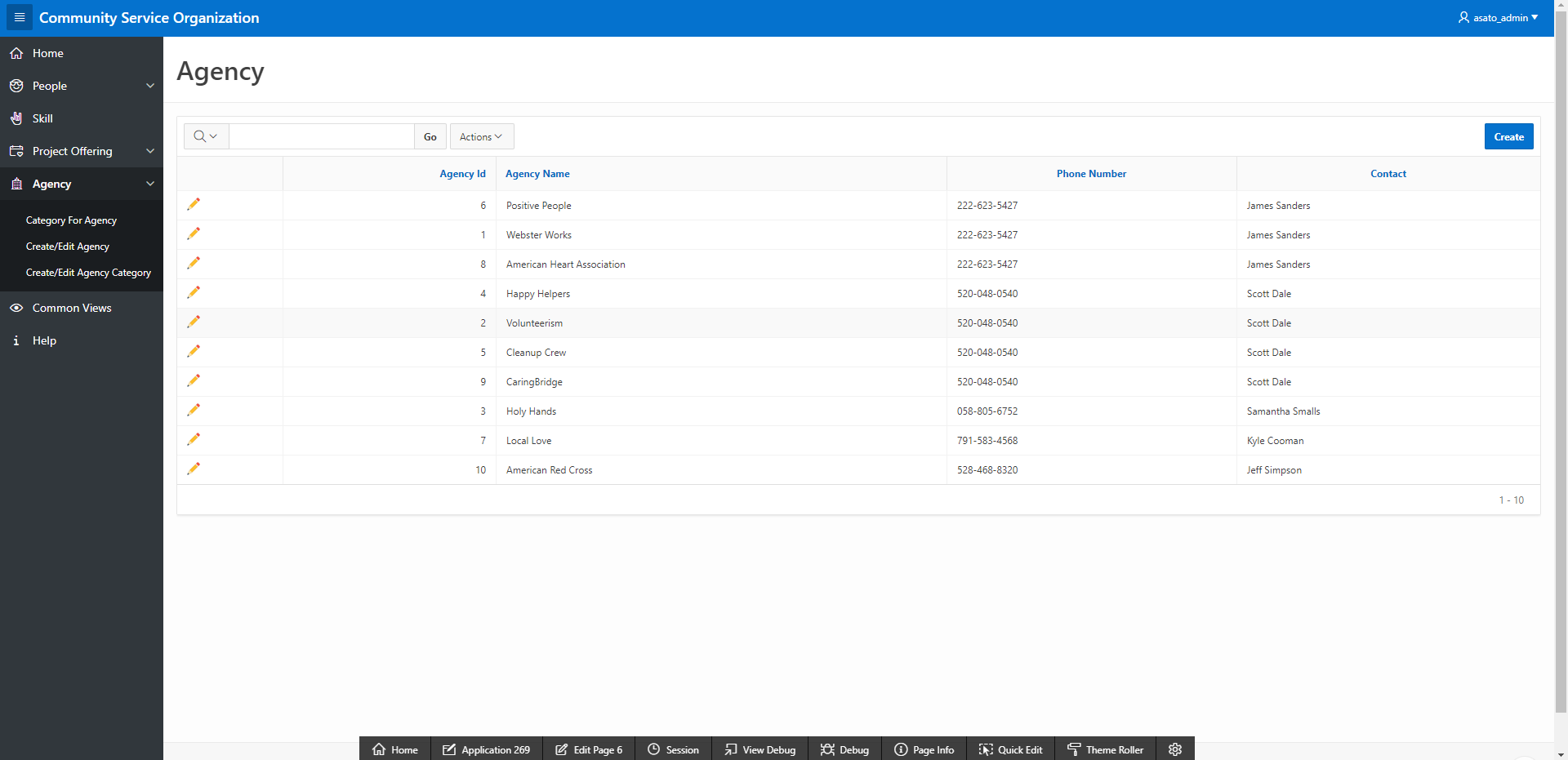
Category for Project (Page 14)



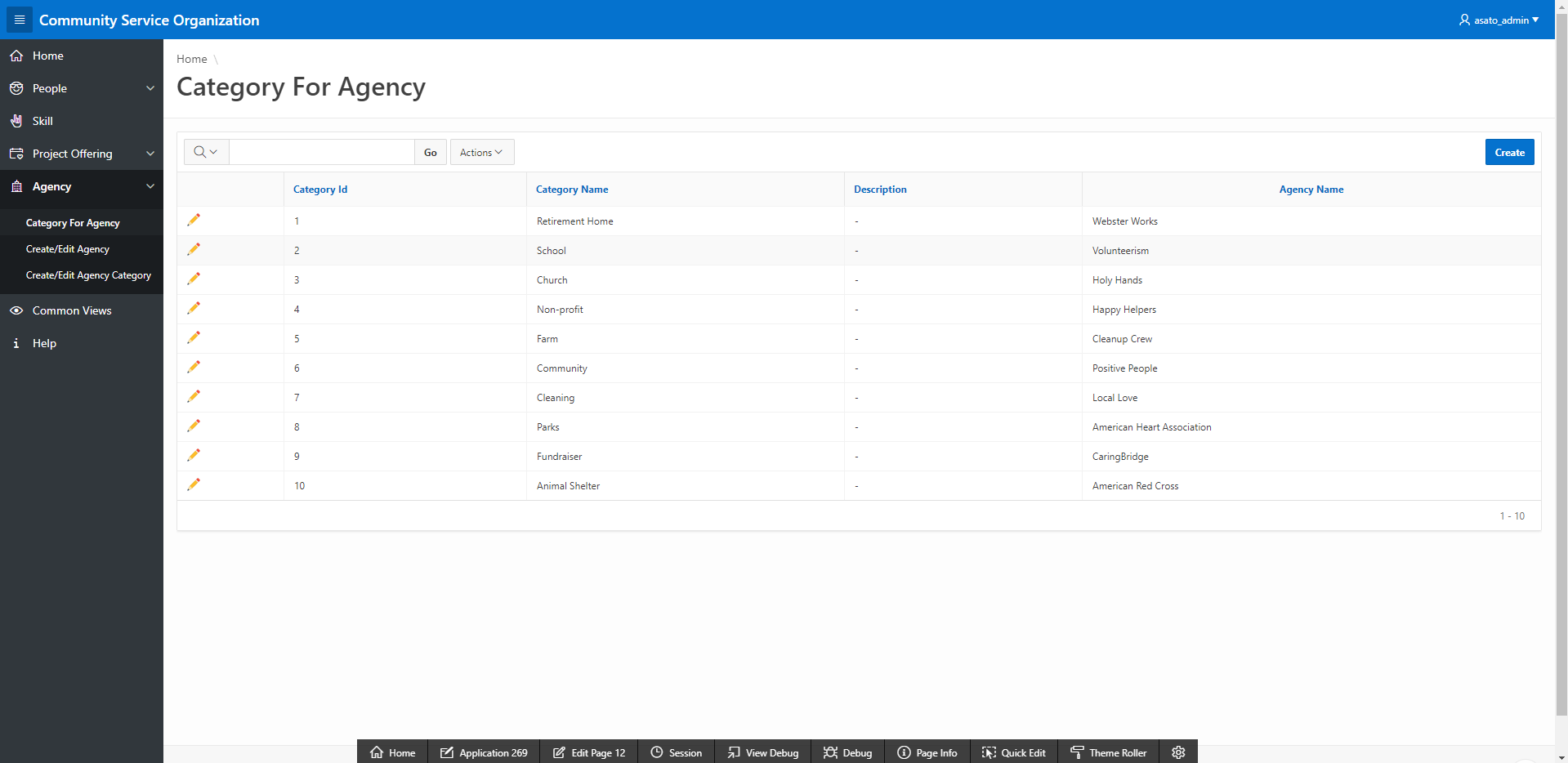
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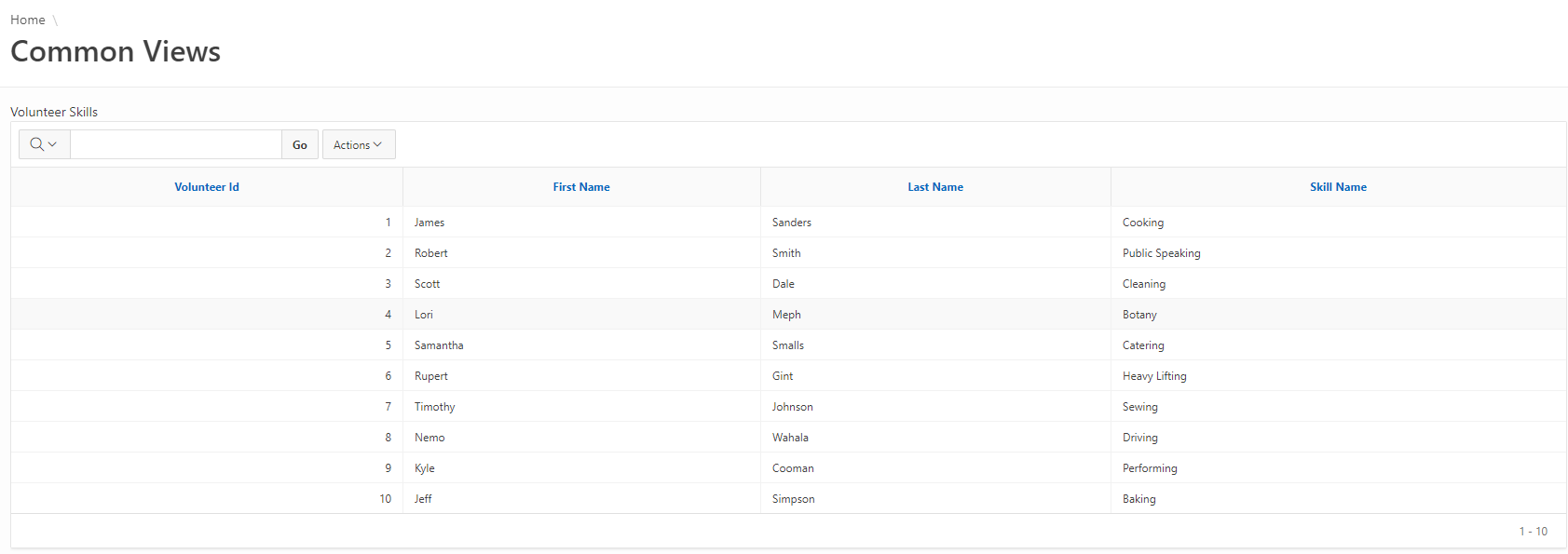
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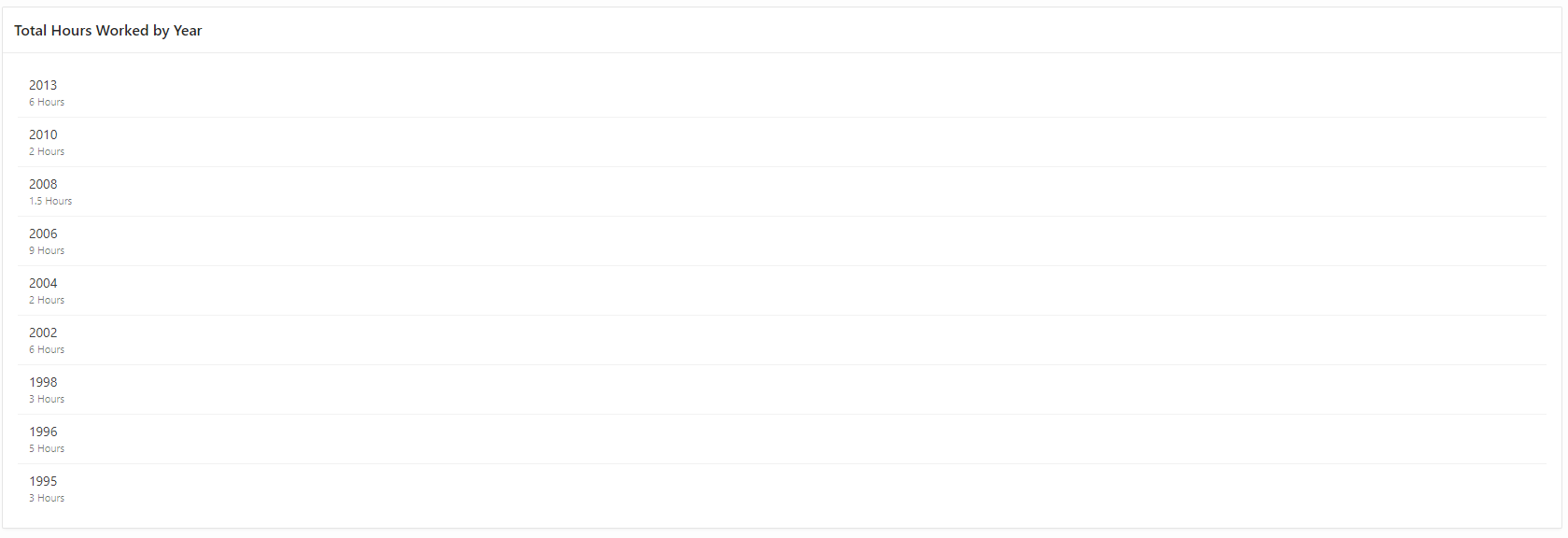
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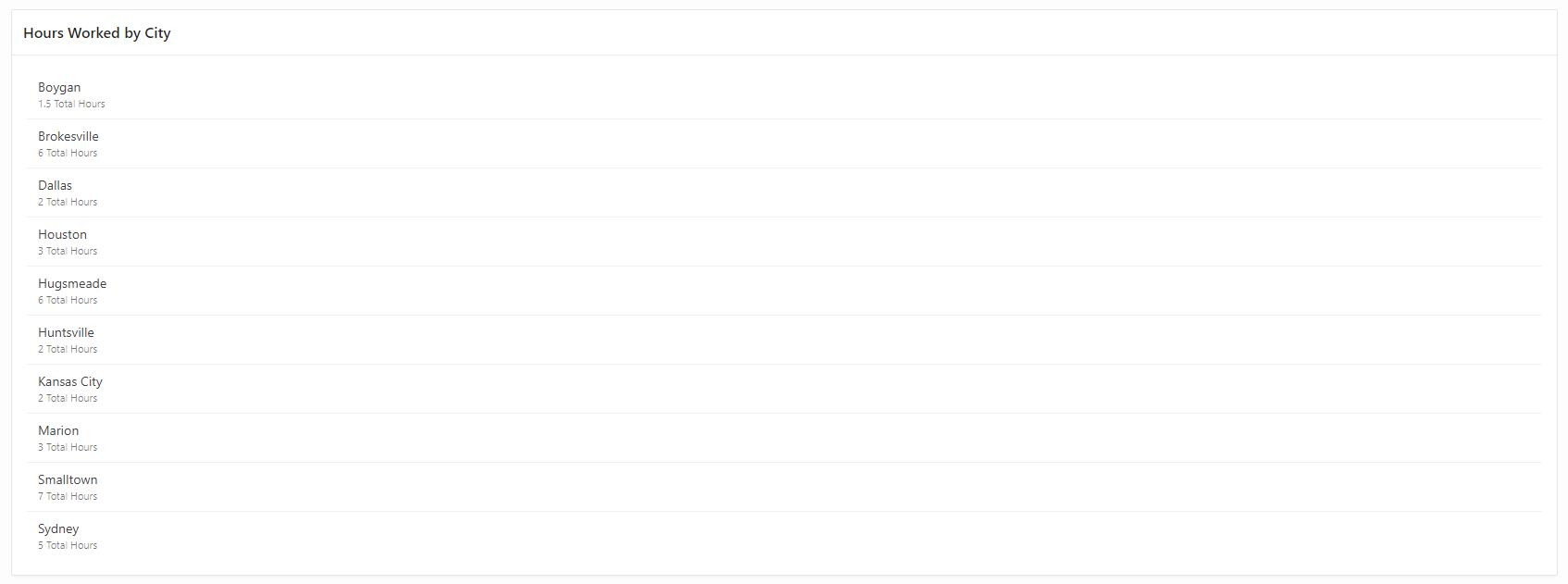
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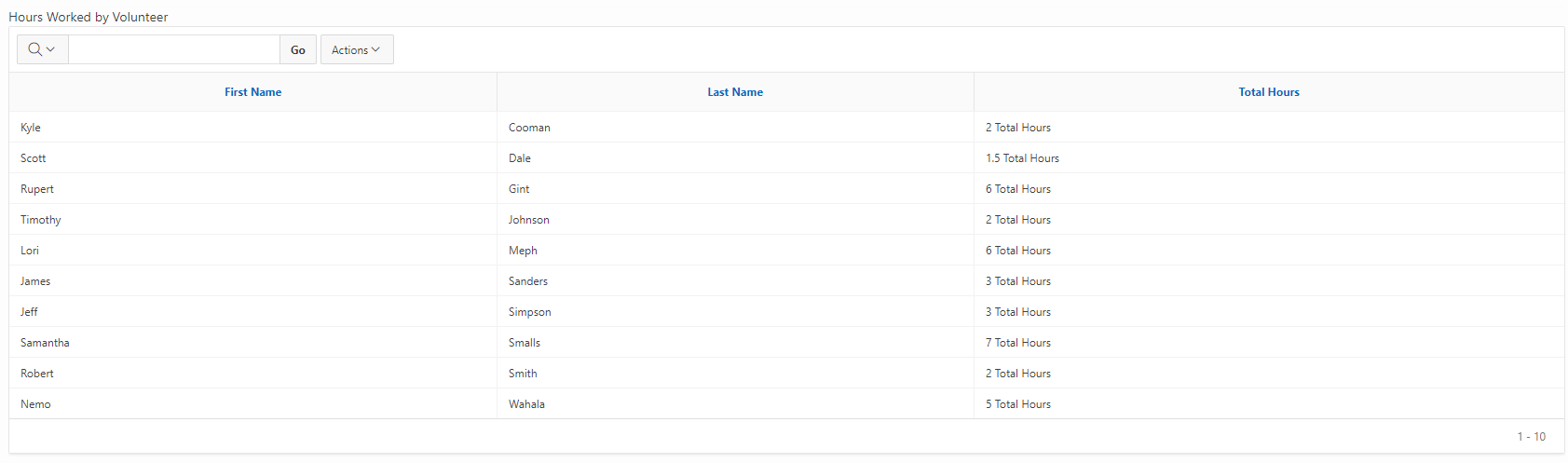
Total Hours Worked by Year (Page 17)



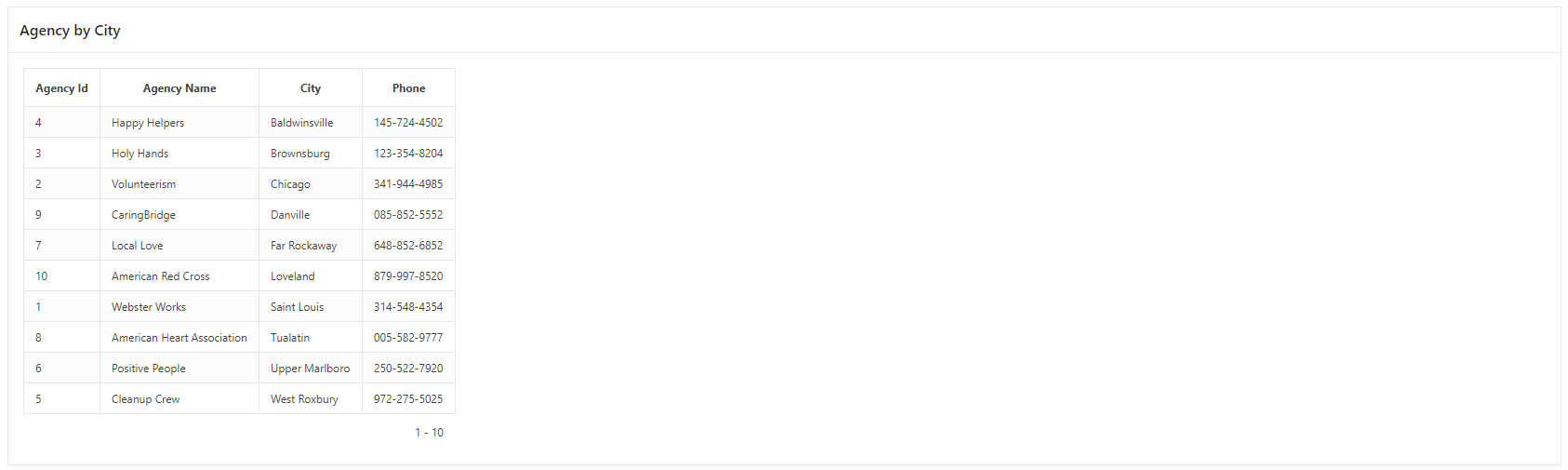
Hours Worked by City (Page 17)



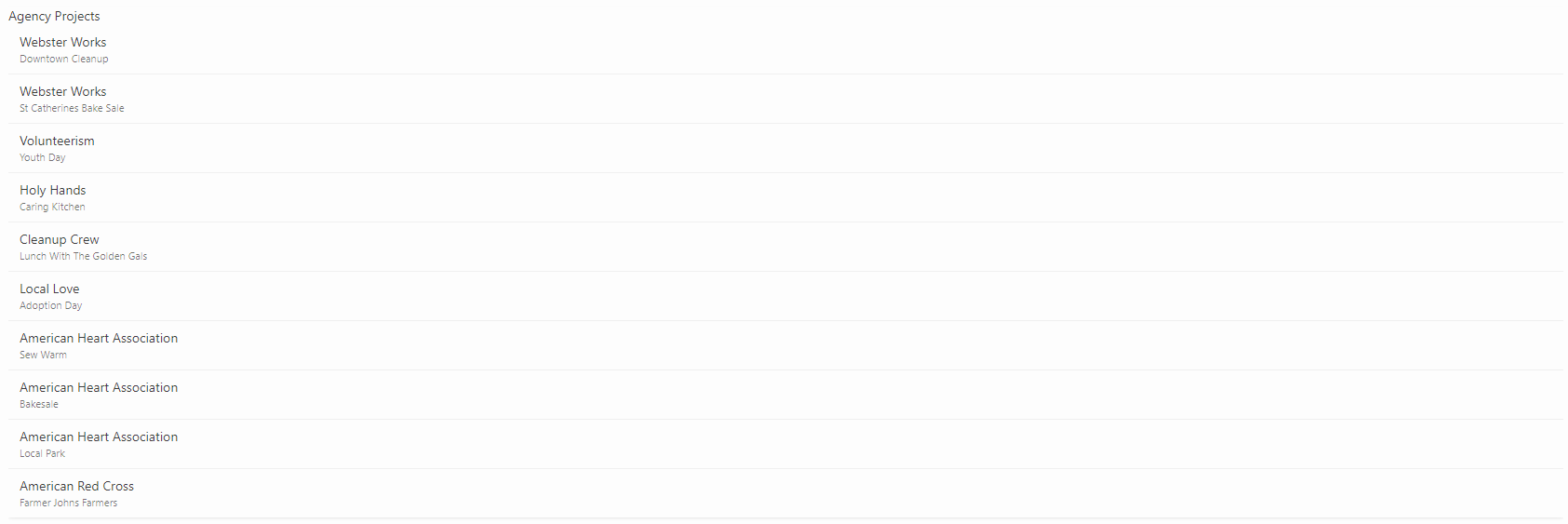
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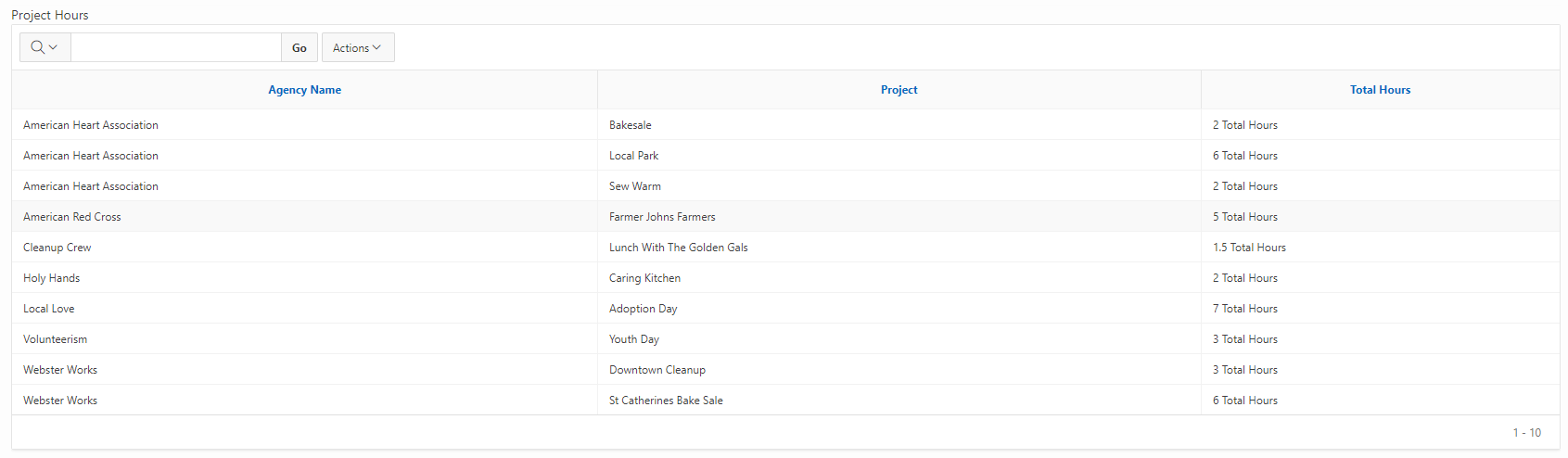
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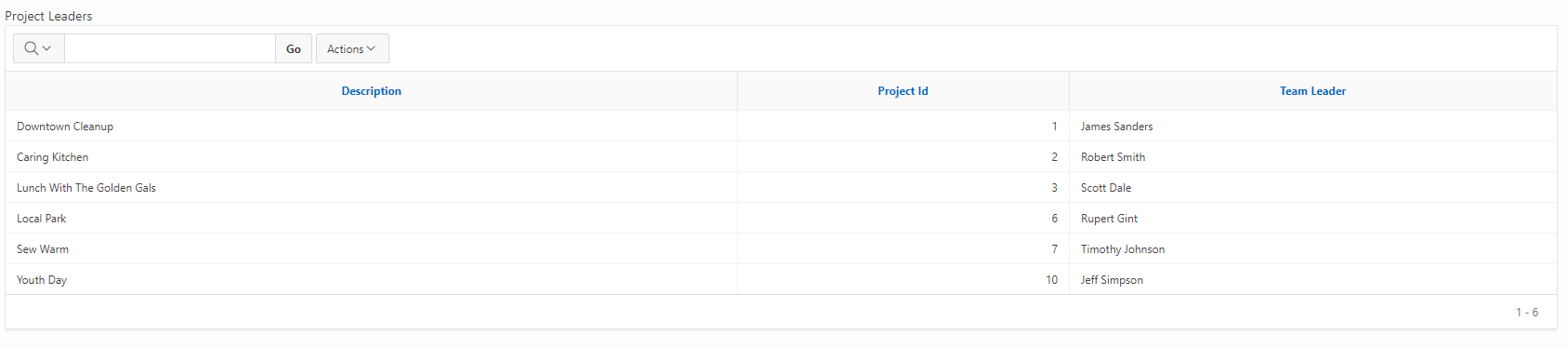
Agency Projects (Page 17)



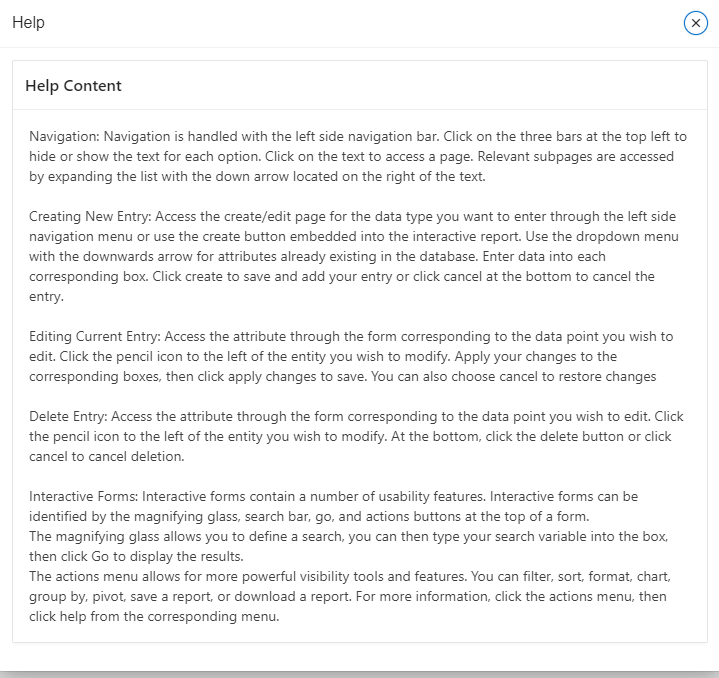
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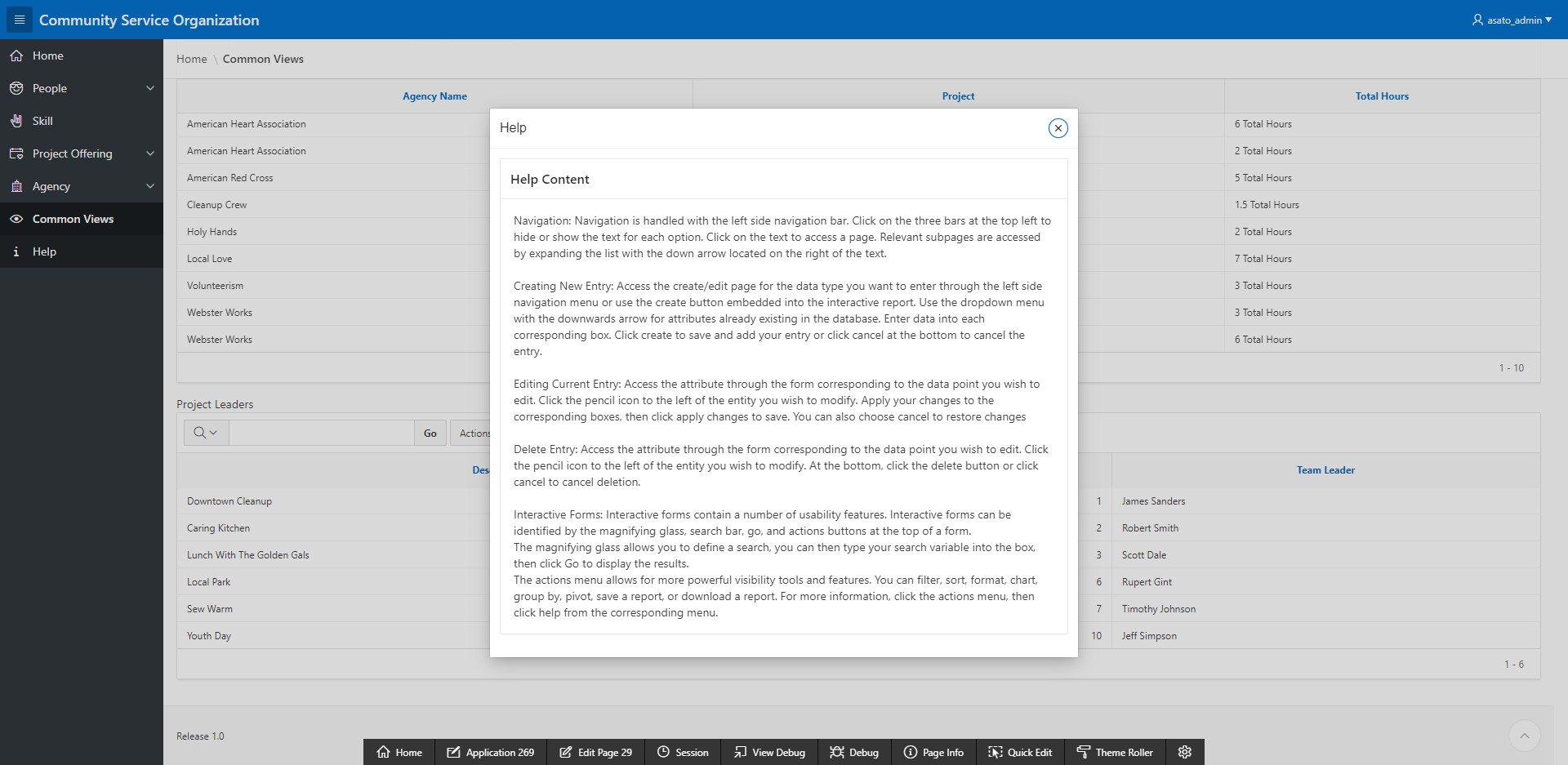


Project Leaders (Page 17)



**User Help**





The user help screen is accessed through the navigation bar to the the left. It acts as a pop up window overlay that the user can freely move.

**Data Dictionary**

*People Table*

# **TABLE DESCRIPTION**

This table contains data about people.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ATTRIBUTE NAME | CONTENTS | TYPE | LENGTH | FORMAT | RANGE | REQ’D | KEY | REFERENCED  TABLE |
| Person\_ID | ID Number | number | 3 | 999 | 1-999 | YES | PK |  |
| first\_name | First Name | Varchar2 | 50 | X(50) |  | YES |  |  |
| last\_name | Last Name | Varchar2 | 50 | X(50) |  | YES |  |  |
| street\_address | Street Address | Varchar2 | 50 | X(50) |  | YES |  |  |
| city | City | Varchar2 | 50 | X(50) |  | YES |  |  |
| state | State | Varchar2 | 50 | X(50) |  | YES |  |  |
| zipcode | Zip Code | Varchar2 | 50 | X(50) |  | YES |  |  |
| email | Email | Varchar2 | 50 | X(50) |  | YES |  |  |
| web\_url | Website URL | Varchar2 | 200 | X(200) |  | NO |  |  |

# **OTHER TABLES REFERENCED**

1. Phone – People
   1. One phone is used by one person.
   2. One person uses many phones.
2. Agency - People
   1. One Agency contacts one or many people.
   2. One Person contacts one or many agencies .
3. Project\_Offering - People
   1. One project offering contacts one or many people.
   2. One person is contacted by one or many project offerings.
4. Volunteer - People
   1. One volunteer is one person.
   2. One person is one volunteer.

# **SPECIAL RESTRICTIONS**

*Phone Table*

# **TABLE DESCRIPTION**

This table contains data about Phone Numbers.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ATTRIBUTE NAME | CONTENTS | TYPE | LENGTH | FORMAT | RANGE | REQ’D | KEY | REFERENCED  TABLE |
| phone\_id | ID Number | number | 3 | 999 | 1-999 | YES | PK |  |
| person\_id | ID Number | number | 3 | X(3) |  | YES | FK | People |
| phone\_type | Type of Phone | Varchar2 | 50 | X(50) |  | NO |  |  |
| phone\_number | Phone Number | Varchar2 | 50 | (XXX) XXX - XXXX |  | YES |  |  |

# **OTHER TABLES REFERENCED**

1. Phone – People
   1. One phone is used by one person.
   2. One person uses many phones.

# **SPECIAL RESTRICTIONS**

*Category\_for\_agency Table*

# **TABLE DESCRIPTION**

This table contains data about Categories for agencies.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ATTRIBUTE NAME | CONTENTS | TYPE | LENGTH | FORMAT | RANGE | REQ’D | KEY | REFERENCED  TABLE |
| category\_id | ID Number | number | 3 | 999 | 1-999 | YES | PK |  |
| category\_name | Category Name | Varchar2 | 50 | X(50) |  | YES |  |  |
| description | Category Description | Varchar2 | 50 | X(50) |  | YES |  |  |

# **OTHER TABLES REFERENCED**

1. Agency\_Category – Category\_for\_agency
   1. One agency category contains one category for agencies.
   2. One category for agencies contains many agency categories.

# **SPECIAL RESTRICTIONS**

*Agency Table*

# **TABLE DESCRIPTION**

This table contains data about agencies.

# 

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ATTRIBUTE NAME | CONTENTS | TYPE | LENGTH | FORMAT | RANGE | REQ’D | KEY | REFERENCED  TABLE |
| agency\_id | ID Number | Number | 3 | 999 | 1-999 | YES | PK |  |
| agency\_name | Agency Name | Varchar2 | 50 | X(50) |  |  |  |  |
| street\_address | Street Address | Varchar2 | 200 | X(200) |  |  |  |  |
| city | City | Varchar2 | 50 | X(50) |  |  |  |  |
| state | State | Varchar2 | 50 | X(50) |  |  |  |  |
| zipcode | Zipcode | Varchar2 | 50 | X(50) |  |  |  |  |
| phone | Phone Number | Varchar2 | 50 | (XXX) XXX - XXXX |  |  |  |  |
| email | Email Address | Varchar2 | 50 | X(50) |  |  |  |  |
| web\_url | Website URL | Varchar2 | 200 | X(200) |  |  |  |  |
| contact\_id | ID Number | Number | 3 | 999 |  | YES | FK | People |

# **OTHER TABLES REFERENCED**

1. Agency - People
   1. One Agency contacts one or many people.
   2. One Person contacts one or many agencies .
2. Project - Agency
   1. One project is owned by one or many agencies.
   2. One agency owns many projects.

# **SPECIAL RESTRICTIONS**

*Agency\_Category Table*

# **TABLE DESCRIPTION**

This table contains data about categories for agencies.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ATTRIBUTE NAME | CONTENTS | TYPE | LENGTH | FORMAT | RANGE | REQ’D | KEY | REFERENCED  TABLE |
| agency\_id | ID Number | number | 3 | 999 | 1-999 | YES | CK | Agency |
| category\_id | ID Name | number | 3 | 999 | 1-999 | YES | CK | Category |

# **OTHER TABLES REFERENCED**

1. Agency\_Category - agency
   1. One agency category belongs to one agency.
   2. One agency belongs to many agency categories.
2. Agency\_Category – Category\_for\_agency
   1. One agency category contains one category for agencies.
   2. One category for agencies contains many agency categories.

# **SPECIAL RESTRICTIONS**

*Category\_for\_project Table*

# **TABLE DESCRIPTION**

This table contains data about categories for projects.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ATTRIBUTE NAME | CONTENTS | TYPE | LENGTH | FORMAT | RANGE | REQ’D | KEY | REFERENCED  TABLE |
| category\_id | ID Number | Number | 3 | 999 | 1-999 | YES | PK |  |
| category\_name | Category Name | Varchar2 | 50 | X(50) |  | YES |  |  |
| description | Description of Category | Varchar2 | 50 | X(50) |  | YES |  |  |

# **OTHER TABLES REFERENCED**

1. Project\_Category – Category\_For\_Project
   1. One project category contains one category for project.
   2. One category for project contains many project categories.

# **SPECIAL RESTRICTIONS**

*Project Table*

# **TABLE DESCRIPTION**

This table contains data about projects.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ATTRIBUTE NAME | CONTENTS | TYPE | LENGTH | FORMAT | RANGE | REQ’D | KEY | REFERENCED  TABLE |
| project\_id | ID Number | Number | 3 | 999 | 1-999 | YES | PK |  |
| description | Description | Varchar2 | 50 | X(50) |  | YES |  |  |
| agency\_id | ID Number | Number | 3 | X(3) |  | YES | FK | agency |

# **OTHER TABLES REFERENCED**

1. Project - Agency
   1. One project is owned by one or many agencies.
   2. One agency owns many projects.
2. Project\_Offering - Project
   1. One project offering is offered by one project.
   2. One project offers many project offerings.
3. Project\_Category - Project
   1. One project category belongs to one project.
   2. One project belongs to many project categories.
4. Project\_Skill\_Requirement – Project
   1. One project skill requirement is required by one project.
   2. One project requires many project skill requirements.

# **SPECIAL RESTRICTIONS**

*Project\_offering Table*

# **TABLE DESCRIPTION**

This table contains data about project offerings.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ATTRIBUTE NAME | CONTENTS | TYPE | LENGTH | FORMAT | RANGE | REQ’D | KEY | REFERENCED  TABLE |
| project\_offering\_id | ID Number | Number | 3 | 999 | 1-999 | YES | PK |  |
| project\_id | ID Number | Number | 3 | X(3) | 1-999 | YES | FK | project |
| project\_date | Project Date | Varchar2 | 50 | MM/DD/YYYY |  | YES |  |  |
| contact\_id | ID Number | Number | 3 | 999 | 1-999 | YES | FK | people |
| num\_volunteer | Number of Volunteers | Varchar2 | 50 | X(50) |  | YES |  |  |
| num\_hour | Number of Hours | Varchar2 | 50 | X(50) |  | YES |  |  |

# **OTHER TABLES REFERENCED**

1. Project\_Offering - Project
   1. One project offering is offered by one project.
   2. One project offers many project offerings.
2. Project\_Offering - People
   1. One project offering contacts one or many people.
   2. One person is contacted by one or many project offerings.
3. Assignment – Project\_Offering
   1. One assignment takes one or many project offerings.
   2. One project offering is taken by many assignments.

# **SPECIAL RESTRICTIONS**

*Project\_category Table*

# **TABLE DESCRIPTION**

This table contains data about categories for projects.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ATTRIBUTE NAME | CONTENTS | TYPE | LENGTH | FORMAT | RANGE | REQ’D | KEY | REFERENCED  TABLE |
| project\_id | ID Number | number | 3 | 999 | 1-999 | YES | CK | project |
| category\_id | ID Number | Number | 3 | 999 | 1-999 | YES | CK | category\_for\_project |

# **OTHER TABLES REFERENCED**

1. Project\_Category - Project
   1. One project category belongs to one project.
   2. One project belongs to many project categories.
2. Project\_Category – Category\_For\_Project
   1. One project category contains one category for project.
   2. One category for project contains many project categories.

# **SPECIAL RESTRICTIONS**

*Volunteer Table*

# **TABLE DESCRIPTION**

This table contains data about volunteers.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ATTRIBUTE NAME | CONTENTS | TYPE | LENGTH | FORMAT | RANGE | REQ’D | KEY | REFERENCED  TABLE |
| volunteer\_id | ID Number | Number | 3 | 999 | 1-999 | YES | PK |  |
| person\_id | ID Number | Number | 3 | 999 | 1-999 | YES | FK | People |

# **OTHER TABLES REFERENCED**

1. Volunteer - People
   1. One volunteer is one person.
   2. One person is one volunteer.
2. Assignment - Volunteer
   1. One assignment is joined by one or many volunteers.
   2. One volunteer joins many assignments.
3. Volunteer\_Skillset - Volunteer
   1. One volunteer skillset has one volunteer.
   2. One volunteer has many volunteer skillsets.

# **SPECIAL RESTRICTIONS**

*Assignment Table*

# **TABLE DESCRIPTION**

This table contains data about assignments.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ATTRIBUTE NAME | CONTENTS | TYPE | LENGTH | FORMAT | RANGE | REQ’D | KEY | REFERENCED  TABLE |
| assignment\_id | ID Number | Number | 3 | 999 | 1-999 | YES | PK |  |
| project\_offering\_id | ID Number | Number | 3 | 999 | 1-999 | YES | FK | project\_offering |
| volunteer\_id | ID Number | Number | 3 | 999 | 1-999 | YES | FK | volunteer |
| is\_leader | Leader or Not | Varchar2 | 10 | X(15) |  | YES |  |  |

# **OTHER TABLES REFERENCED**

1. Assignment – Project\_Offering
   1. One assignment takes one or many project offerings.
   2. One project offering is taken by many assignments.
2. Assignment - Volunteer
   1. One assignment is joined by one or many volunteers.
   2. One volunteer joins many assignments.

# **SPECIAL RESTRICTIONS**

*Skill Table*

# **TABLE DESCRIPTION**

This table contains data about skills.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ATTRIBUTE NAME | CONTENTS | TYPE | LENGTH | FORMAT | RANGE | REQ’D | KEY | REFERENCED  TABLE |
| skill\_id\_number | ID Number | Number | 3 | 999 | 1-999 | YES | PK |  |
| skill\_name | Skill Name | Varchar2 | 50 | X(50) |  | YES |  |  |
| description | Skill Description | Varchar2 | 50 | X(50) |  | YES |  |  |

# **OTHER TABLES REFERENCED**

1. Volunteer\_Skillset - Skill
   1. One volunteer skillset masters one skill.
   2. One skill is mastered by many volunteer skillset.
2. Project\_Skill\_Requirement – Skill
   1. One project skill requirement requires one skill.
   2. One skill is required by many project skill requirements.

# **SPECIAL RESTRICTIONS**

*Volunteer\_skillset Table*

# **TABLE DESCRIPTION**

This table contains data about volunteer’s skillsets.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ATTRIBUTE NAME | CONTENTS | TYPE | LENGTH | FORMAT | RANGE | REQ’D | KEY | REFERENCED  TABLE |
| volunteer\_id | ID Number | Number | 3 | 999 | 1-999 | YES | CK | volunteer |
| skill\_id | ID Number | Number | 3 | 999 | 1-999 | YES | CK | skill |

# **OTHER TABLES REFERENCED**

1. Volunteer\_Skillset - Volunteer
   1. One volunteer skillset has one volunteer.
   2. One volunteer has many volunteer skillsets.
2. Volunteer\_Skillset - Skill
   1. One volunteer skillset masters one skill.
   2. One skill is mastered by many volunteer skillset.

# **SPECIAL RESTRICTIONS**

*Project\_skill\_requirement Table*

# **TABLE DESCRIPTION**

This table contains data about skill requirements for a project.

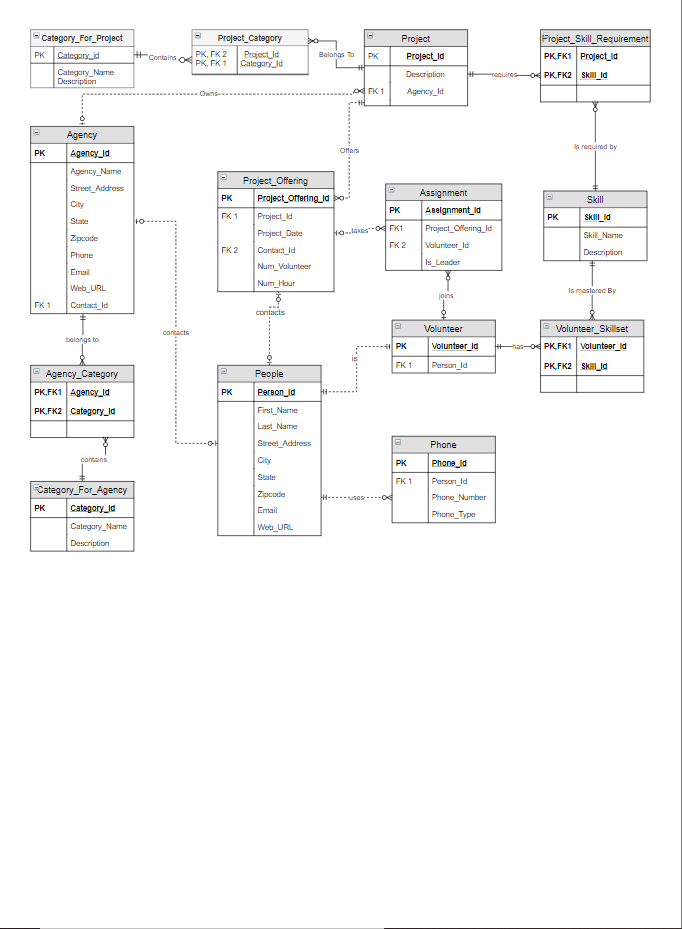
|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ATTRIBUTE NAME | CONTENTS | TYPE | LENGTH | FORMAT | RANGE | REQ’D | KEY | REFERENCED  TABLE |
| project\_id\_number | ID Number | Number | 3 | 999 | 1-999 | YES | CK | project |
| skill\_id | ID Number | Number | 3 | 999 | 1-999 | YES | CK | skill |

# **OTHER TABLES REFERENCED**

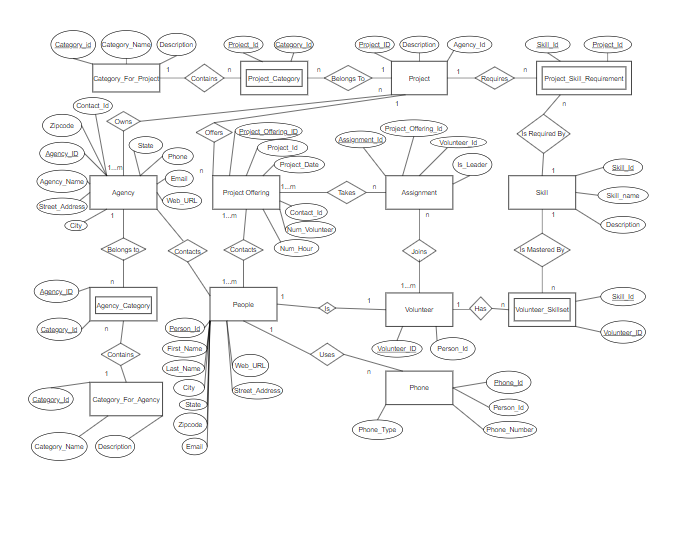
1. Project\_Skill\_Requirement – Project
   1. One project skill requirement is required by one project.
   2. One project requires many project skill requirements.
2. Project\_Skill\_Requirement – Skill
   1. One project skill requirement requires one skill.
   2. One skill is required by many project skill requirements.

# **SPECIAL RESTRICTIONS**

**Crow’s Foot Notation Diagram**

****

**Chen Notation Diagram**

****

|  |  |  |  |
| --- | --- | --- | --- |
| Object Type | **TABLE** | Object | **PEOPLE** |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Column** | **Data Type** | **Length** | **Precision** | **Scale** | **Primary Key** | **Nullable** | **Default** | **Comment** |
| PEOPLE | PERSON\_ID | NUMBER | - | 3 | 0 | 1 | - | - | - |
|  | FIRST\_NAME | VARCHAR2 | 50 | - | - | - | nullable | - | - |
|  | LAST\_NAME | VARCHAR2 | 50 | - | - | - | nullable | - | - |
|  | STREET\_ADDRESS | VARCHAR2 | 200 | - | - | - | nullable | - | - |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **PERSON\_ID** | **FIRST\_NAME** | **LAST\_NAME** | **STREET\_ADDRESS** | **CITY** | **STATE** | **ZIPCODE** | **EMAIL** | **WEB\_URL** |
| 1 | James | Sanders | 789 Wayward Drive | Houston | TX | 34233 | - | - |
| 2 | Robert | Smith | 39 Parkway | Dallas | TX | 34433 | - | - |
| 3 | Scott | Dale | 200 Zoom Avenue | Boygan | MI | 21548 | - | - |
| 4 | Lori | Meph | 349 Motel Lane | Brokesville | KY | 43254 | - | - |
| 5 | Samantha | Smalls | 349 Biggs Street | Smalltown | AK | 21548 | - | - |
| 6 | Rupert | Gint | 264 Hugwurts Place | Hugsmeade | CA | 21868 | - | - |
| 7 | Timothy | Johnson | 520 Coffee Avenue | Huntsville | IL | 21128 | - | - |
| 8 | Nemo | Wahala | 542 Wallaby Lane | Sydney | AU | 78945 | - | - |
| 9 | Kyle | Cooman | 349 Imposter Street | Kansas City | MO | 61548 | - | - |
| 10 | Jeff | Simpson | 390 Wannabe Lane | Marion | AL | 11520 | - | - |

|  |  |  |  |
| --- | --- | --- | --- |
| Object Type | **TABLE** | Object | **PHONE** |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Column** | **Data Type** | **Length** | **Precision** | **Scale** | **Primary Key** | **Nullable** | **Default** | **Comment** |
| PHONE | PHONE\_ID | NUMBER | - | 3 | 0 | 1 | - | - | - |
|  | PERSON\_ID | NUMBER | - | 3 | 0 | - | nullable | - | - |
|  | PHONE\_TYPE | VARCHAR2 | 50 | - | - | - | nullable | - | - |
|  | PHONE\_NUMBER | VARCHAR2 | 50 | - | - | - | nullable | - | - |

|  |  |  |  |
| --- | --- | --- | --- |
| **PHONE\_ID** | **PERSON\_ID** | **PHONE\_TYPE** | **PHONE\_NUMBER** |
| 1 | 1 | HOME | 222-623-5427 |
| 2 | 2 | CELL | 340-458-4562 |
| 3 | 3 | HOME | 520-048-0540 |
| 4 | 4 | CELL | 204-805-0856 |
| 5 | 5 | WORK | 058-805-6752 |
| 6 | 6 | CELL | 079-805-5468 |
| 7 | 7 | HOME | 479-970-7564 |
| 8 | 8 | HOME | 852-258-7913 |
| 9 | 9 | WORK | 791-583-4568 |
| 10 | 10 | HOME | 528-468-8320 |

|  |  |  |  |
| --- | --- | --- | --- |
| Object Type | **TABLE** | Object | **CATEGORY\_FOR\_AGENCY** |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Column** | **Data Type** | **Length** | **Precision** | **Scale** | **Primary Key** | **Nullable** | **Default** | **Comment** |
| CATEGORY\_FOR\_AGENCY | CATEGORY\_ID | NUMBER | - | 3 | 0 | 1 | - | - | - |
|  | CATEGORY\_NAME | VARCHAR2 | 50 | - | - | - | nullable | - | - |
|  | DESCRIPTION | VARCHAR2 | 50 | - | - | - | nullable | - | - |

|  |  |  |
| --- | --- | --- |
| **CATEGORY\_ID** | **CATEGORY\_NAME** | **DESCRIPTION** |
| 1 | Retirement Home | - |
| 2 | School | - |
| 3 | Church | - |
| 4 | Non-profit | - |
| 5 | Farm | - |
| 6 | Community | - |
| 7 | Cleaning | - |
| 8 | Parks | - |
| 9 | Fundraiser | - |
| 10 | Animal Shelter | - |

|  |  |  |  |
| --- | --- | --- | --- |
| Object Type | **TABLE** | Object | **AGENCY** |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Column** | **Data Type** | **Length** | **Precision** | **Scale** | **Primary Key** | **Nullable** | **Default** | **Comment** |
| AGENCY | AGENCY\_ID | NUMBER | - | 3 | 0 | 1 | - | - | - |
|  | AGENCY\_NAME | VARCHAR2 | 50 | - | - | - | nullable | - | - |
|  | STREET\_ADDRESS | VARCHAR2 | 200 | - | - | - | nullable | - | - |
|  | CITY | VARCHAR2 | 50 | - | - | - | nullable | - | - |
|  | STATE | VARCHAR2 | 50 | - | - | - | nullable | - | - |
|  | ZIPCODE | VARCHAR2 | 50 | - | - | - | nullable | - | - |
|  | PHONE | VARCHAR2 | 50 | - | - | - | nullable | - | - |
|  | EMAIL | VARCHAR2 | 50 | - | - | - | nullable | - | - |
|  | WEB\_URL | VARCHAR2 | 200 | - | - | - | nullable | - | - |
|  | CONTACT\_ID | NUMBER | - | 3 | 0 | - | nullable | - | - |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **AGENCY\_ID** | **AGENCY\_NAME** | **STREET\_ADDRESS** | **CITY** | **STATE** | **ZIPCODE** | **PHONE** | **EMAIL** | **WEB\_URL** | **CONTACT\_ID** |
| 1 | Webster Works | 347 Gorlok Avenue | Saint Louis | MO | 63123 | 314-548-4354 | - | - | 1 |
| 2 | Volunteerism | 348 Arch Road | Chicago | IL | 60345 | 341-944-4985 | - | - | 3 |
| 3 | Holy Hands | 977 Pumpkin Hill Street | Brownsburg | IN | 46112 | 123-354-8204 | - | - | 5 |
| 4 | Happy Helpers | 991 Boston St | Baldwinsville | NY | 20772 | 145-724-4502 | - | - | 3 |
| 5 | Cleanup Crew | 52 Winding Way Avenue | West Roxbury | MA | 02132 | 972-275-5025 | - | - | 3 |
| 6 | Positive People | 130 Glenwwod Street | Upper Marlboro | MD | 20772 | 250-522-7920 | - | - | 1 |
| 7 | Local Love | 7650 Jefferson Drive | Far Rockaway | NY | 11691 | 648-852-6852 | - | - | 9 |
| 8 | American Heart Association | 61 Lantern Street | Tualatin | OR | 97062 | 005-582-9777 | - | - | 1 |
| 9 | CaringBridge | 669 N. Peg Shop Drive | Danville | VA | 24540 | 085-852-5552 | - | - | 3 |
| 10 | American Red Cross | 7989 Shady Drive | Loveland | OH | 45140 | 879-997-8520 | - | - | 10 |

|  |  |  |  |
| --- | --- | --- | --- |
| Object Type | **TABLE** | Object | **AGENCY\_CATEGORY** |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Column** | **Data Type** | **Length** | **Precision** | **Scale** | **Primary Key** | **Nullable** | **Default** | **Comment** |
| AGENCY\_CATEGORY | AGENCY\_ID | NUMBER | - | 3 | 0 | 1 | - | - | - |
|  | CATEGORY\_ID | NUMBER | - | 3 | 0 | 2 | - | - | - |

|  |  |
| --- | --- |
| **AGENCY\_ID** | **CATEGORY\_ID** |
| 1 | 1 |
| 2 | 2 |
| 3 | 3 |
| 4 | 4 |
| 5 | 5 |
| 6 | 6 |
| 7 | 7 |
| 8 | 8 |
| 9 | 9 |
| 10 | 10 |

|  |  |  |  |
| --- | --- | --- | --- |
| Object Type | **TABLE** | Object | **CATEGORY\_FOR\_PROJECT** |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Column** | **Data Type** | **Length** | **Precision** | **Scale** | **Primary Key** | **Nullable** | **Default** | **Comment** |
| CATEGORY\_FOR\_PROJECT | CATEGORY\_ID | NUMBER | - | 3 | 0 | 1 | - | - | - |
|  | CATEGORY\_NAME | VARCHAR2 | 50 | - | - | - | nullable | - | - |
|  | DESCRIPTION | VARCHAR2 | 50 | - | - | - | nullable | - | - |

|  |  |  |
| --- | --- | --- |
| **CATEGORY\_ID** | **CATEGORY\_NAME** | **DESCRIPTION** |
| 1 | Cleaning | - |
| 2 | Cooking | - |
| 3 | Elderly Assistance | - |
| 4 | Croptending | - |
| 5 | Sewing | - |
| 6 | Animal Care | - |
| 7 | Nursing | - |
| 8 | Entertaining | - |
| 9 | Event Planning | - |
| 10 | Catering | - |

|  |  |  |  |
| --- | --- | --- | --- |
| Object Type | **TABLE** | Object | **PROJECT** |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Column** | **Data Type** | **Length** | **Precision** | **Scale** | **Primary Key** | **Nullable** | **Default** | **Comment** |
| PROJECT | PROJECT\_ID | NUMBER | - | 3 | 0 | 1 | - | - | - |
|  | DESCRIPTION | VARCHAR2 | 50 | - | - | - | nullable | - | - |
|  | AGENCY\_ID | NUMBER | - | 3 | 0 | - | nullable | - | - |

|  |  |  |
| --- | --- | --- |
| **PROJECT\_ID** | **DESCRIPTION** | **AGENCY\_ID** |
| 1 | Downtown Cleanup | 1 |
| 2 | Caring Kitchen | 3 |
| 3 | Lunch With The Golden Gals | 5 |
| 4 | St Catherines Bake Sale | 1 |
| 5 | Adoption Day | 7 |
| 6 | Local Park | 8 |
| 7 | Sew Warm | 8 |
| 8 | Farmer Johns Farmers | 10 |
| 9 | Bakesale | 8 |
| 10 | Youth Day | 2 |

|  |  |  |  |
| --- | --- | --- | --- |
| Object Type | **TABLE** | Object | **PROJECT\_OFFERING** |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Column** | **Data Type** | **Length** | **Precision** | **Scale** | **Primary Key** | **Nullable** | **Default** | **Comment** |
| PROJECT\_OFFERING | PROJECT\_OFFERING\_ID | NUMBER | - | 3 | 0 | 1 | - | - | - |
|  | PROJECT\_ID | NUMBER | - | 3 | 0 | - | nullable | - | - |
|  | PROJECT\_DATE | VARCHAR2 | 50 | - | - | - | nullable | - | - |
|  | CONTACT\_ID | NUMBER | - | 3 | 0 | - | nullable | - | - |
|  | NUM\_VOLUNTEER | VARCHAR2 | 50 | - | - | - | nullable | - | - |
|  | NUM\_HOUR | VARCHAR2 | 50 | - | - | - | nullable | - | - |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **PROJECT\_OFFERING\_ID** | **PROJECT\_ID** | **PROJECT\_DATE** | **CONTACT\_ID** | **NUM\_VOLUNTEER** | **NUM\_HOUR** |
| 1 | 1 | 1995 | 1 | 6 | 3 |
| 2 | 2 | 2004 | 2 | 10 | 2 |
| 3 | 3 | 2008 | 3 | 20 | 1.5 |
| 4 | 4 | 2002 | 4 | 15 | 6 |
| 5 | 5 | 2006 | 5 | 3 | 7 |
| 6 | 6 | 2013 | 6 | 6 | 6 |
| 7 | 7 | 2006 | 7 | 10 | 2 |
| 8 | 8 | 1996 | 8 | 1 | 5 |
| 9 | 9 | 2010 | 9 | 5 | 2 |
| 10 | 10 | 1998 | 10 | 15 | 3 |

|  |  |  |  |
| --- | --- | --- | --- |
| Object Type | **TABLE** | Object | **PROJECT\_CATEGORY** |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Column** | **Data Type** | **Length** | **Precision** | **Scale** | **Primary Key** | **Nullable** | **Default** | **Comment** |
| PROJECT\_CATEGORY | PROJECT\_ID | NUMBER | - | 3 | 0 | 1 | - | - | - |
|  | CATEGORY\_ID | NUMBER | - | 3 | 0 | 2 | - | - | - |

|  |  |
| --- | --- |
| **PROJECT\_ID** | **CATEGORY\_ID** |
| 1 | 1 |
| 2 | 2 |
| 3 | 3 |
| 4 | 4 |
| 5 | 5 |
| 6 | 6 |
| 7 | 7 |
| 8 | 8 |
| 9 | 9 |
| 10 | 10 |

|  |  |  |  |
| --- | --- | --- | --- |
| Object Type | **TABLE** | Object | **VOLUNTEER** |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Column** | **Data Type** | **Length** | **Precision** | **Scale** | **Primary Key** | **Nullable** | **Default** | **Comment** |
| VOLUNTEER | VOLUNTEER\_ID | NUMBER | - | 3 | 0 | 1 | - | - | - |
|  | PERSON\_ID | NUMBER | - | 3 | 0 | - | nullable | - | - |

|  |  |
| --- | --- |
| **VOLUNTEER\_ID** | **PERSON\_ID** |
| 1 | 1 |
| 2 | 2 |
| 3 | 3 |
| 4 | 4 |
| 5 | 5 |
| 6 | 6 |
| 7 | 7 |
| 8 | 8 |
| 9 | 9 |
| 10 | 10 |

|  |  |  |  |
| --- | --- | --- | --- |
| Object Type | **TABLE** | Object | **ASSIGNMENT** |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Column** | **Data Type** | **Length** | **Precision** | **Scale** | **Primary Key** | **Nullable** | **Default** | **Comment** |
| ASSIGNMENT | ASSIGNMENT\_ID | NUMBER | - | 3 | 0 | 1 | - | - | - |
|  | PROJECT\_OFFERING\_ID | NUMBER | - | 3 | 0 | - | nullable | - | - |
|  | VOLUNTEER\_ID | NUMBER | - | 3 | 0 | - | nullable | - | - |
|  | IS\_LEADER | VARCHAR2 | 10 | - | - | - | nullable | - | - |

|  |  |  |  |
| --- | --- | --- | --- |
| **ASSIGNMENT\_ID** | **PROJECT\_OFFERING\_ID** | **VOLUNTEER\_ID** | **IS\_LEADER** |
| 1 | 1 | 1 | yes |
| 2 | 2 | 2 | yes |
| 3 | 3 | 3 | yes |
| 4 | 4 | 4 | no |
| 5 | 5 | 5 | no |
| 6 | 6 | 6 | yes |
| 7 | 7 | 7 | yes |
| 8 | 8 | 8 | no |
| 9 | 9 | 9 | no |
| 10 | 10 | 10 | yes |

|  |  |  |  |
| --- | --- | --- | --- |
| Object Type | **TABLE** | Object | **SKILL** |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Column** | **Data Type** | **Length** | **Precision** | **Scale** | **Primary Key** | **Nullable** | **Default** | **Comment** |
| SKILL | SKILL\_ID | NUMBER | - | 3 | 0 | 1 | - | - | - |
|  | SKILL\_NAME | VARCHAR2 | 50 | - | - | - | nullable | - | - |
|  | DESCRIPTION | VARCHAR2 | 50 | - | - | - | nullable | - | - |

|  |  |  |
| --- | --- | --- |
| **SKILL\_ID** | **SKILL\_NAME** | **DESCRIPTION** |
| 1 | Cooking | - |
| 2 | Public Speaking | - |
| 3 | Cleaning | - |
| 4 | Botany | - |
| 5 | Catering | - |
| 6 | Heavy Lifting | - |
| 7 | Sewing | - |
| 8 | Driving | - |
| 9 | Performing | - |
| 10 | Baking | - |

|  |  |  |  |
| --- | --- | --- | --- |
| Object Type | **TABLE** | Object | **VOLUNTEER\_SKILLSET** |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Column** | **Data Type** | **Length** | **Precision** | **Scale** | **Primary Key** | **Nullable** | **Default** | **Comment** |
| VOLUNTEER\_SKILLSET | VOLUNTEER\_ID | NUMBER | - | 3 | 0 | 1 | - | - | - |
|  | SKILL\_ID | NUMBER | - | 3 | 0 | 2 | - | - | - |

|  |  |
| --- | --- |
| **VOLUNTEER\_ID** | **SKILL\_ID** |
| 1 | 1 |
| 2 | 2 |
| 3 | 3 |
| 4 | 4 |
| 5 | 5 |
| 6 | 6 |
| 7 | 7 |
| 8 | 8 |
| 9 | 9 |
| 10 | 10 |

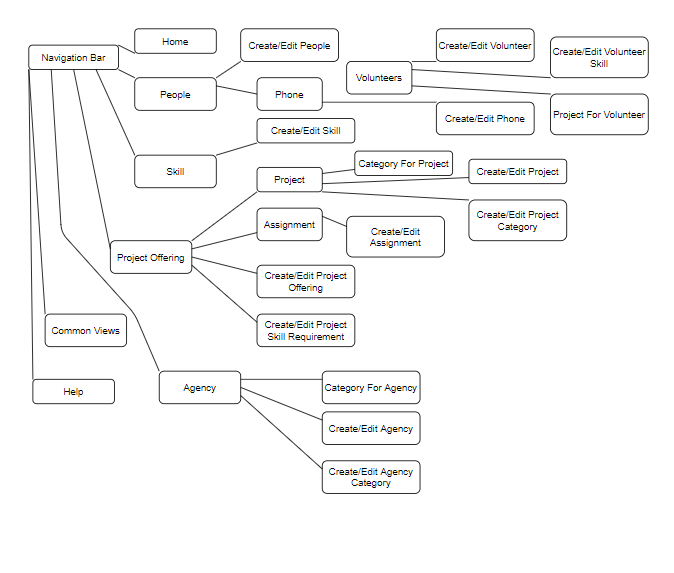
|  |  |  |  |
| --- | --- | --- | --- |
| Object Type | **TABLE** | Object | **PROJECT\_SKILL\_REQUIREMENT** |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Column** | **Data Type** | **Length** | **Precision** | **Scale** | **Primary Key** | **Nullable** | **Default** | **Comment** |
| PROJECT\_SKILL\_REQUIREMENT | PROJECT\_ID | NUMBER | - | 3 | 0 | 1 | - | - | - |
|  | SKILL\_ID | NUMBER | - | 3 | 0 | 2 | - | - | - |

|  |  |
| --- | --- |
| **PROJECT\_ID** | **SKILL\_ID** |
| 1 | 1 |
| 2 | 2 |
| 3 | 3 |
| 4 | 4 |
| 5 | 5 |
| 6 | 6 |
| 7 | 7 |
| 8 | 8 |
| 9 | 9 |
| 10 | 10 |

**Program Documentation**

**Diagram and Description of Program Structure**

****

The system is built on Oracle Apex. It has a login page. This is a single user database. The program is structured around being able to access everything from the navigation bar. Like items are grouped with like items. Sub categories can be accessed using the drop down arrow in the navigation bar.

**Printouts of All SQL**

**CSO\_create.sql**

create table people

( person\_id number(3)

, first\_name varchar2(50)

, last\_name varchar2(50)

, street\_address varchar2(200)

, city varchar2(50)

, state varchar2(50)

, zipcode varchar2(50)

, email varchar2(50)

, web\_url varchar2(200)

, constraint people\_pk primary key (person\_id)

);

create table phone

( phone\_id number(3)

, person\_id number(3)

, phone\_type varchar2(50)

, phone\_number varchar2(50)

, constraint phone\_pk primary key (phone\_id)

, constraint phone\_fk foreign key (person\_id)

references people(person\_id)

);

create table category\_for\_agency

( category\_id number(3)

, category\_name varchar2(50)

, description varchar2(50)

, constraint category\_for\_agency\_pk primary key (category\_id)

);

create table agency

( agency\_id number(3)

, agency\_name varchar2(50)

, street\_address varchar2(200)

, city varchar2(50)

, state varchar2(50)

, zipcode varchar2(50)

, phone varchar2(50)

, email varchar2(50)

, web\_url varchar2(200)

, contact\_id number(3)

, constraint agency\_pk primary key (agency\_id)

, constraint agency\_fk foreign key (contact\_id)

references people(person\_id)

);

create table agency\_category

( agency\_id number(3)

, category\_id number(3)

, constraint agency\_id\_fk foreign key

references agency(agency\_id)

, constraint category\_id\_fk foreign key

references category\_for\_agency(category\_id)

);

create table category\_for\_project

( category\_id number(3)

, category\_name varchar2(50)

, description varchar2(50)

, constraint category\_for\_project\_pk primary key (category\_id)

);

create table project

( project\_id number(3)

, description varchar2(50)

, agency\_id number(3)

, constraint project\_pk primary key (project\_id)

, constraint project\_fk foreign key

references agency(agency\_id)

);

create table project\_offering

( project\_offering\_id number(3)

, project\_id number(3)

, project\_date date

, contact\_id number(3)

, num\_volunteer varchar2(50)

, num\_hour varchar2(50)

, constraint project\_offering\_pk primary key (project\_offering\_id)

, constraint project\_offering\_fk foreign key

references project(project\_id)

, constraint project\_offering\_fk foreign key

references people(person\_id)

);

create table project\_category

( project\_id number(3)

, category\_id number(3)

, constraint project\_category\_fk foreign key

references project(project\_id)

, constraint project\_category\_fk foreign key

references category\_for\_project(category\_id)

);

create table volunteer

( volunteer\_id number(3)

, person\_id number(3)

, constraint volunteer\_pk primary key (volunteer\_id)

, constraint volunteer\_fk foreign key

references people(person\_id)

);

create table assignment

( assignment\_id number(3)

, project\_offering\_id number(3)

, volunteer\_id number(3)

, is\_leader boolean

, constraint assignment\_pk primary key (assignment\_id)

, constraint assignment\_fk foreign key

references project\_offering(project\_offering\_id)

, constraint assignment\_fk foreign key

references volunteer(volunteer\_id)

);

create table skill

( skill\_id number(3)

, skill\_name varchar2(50)

, description varchar2(50)

, constraint skill\_pk primary key (skill\_id)

);

create table volunteer\_skillset

( volunteer\_id number(3)

, skill\_id number(3)

, constraint volunteer\_skillset\_fk foreign key

references volunteer(volunteer\_id)

, constraint volunteer\_skillset\_fk foreign key

references skill(skill\_id)

);

create table project\_skill\_requirement

( project\_id number(3)

, skill\_id number(3)

, constraint project\_skill\_requirement\_fk foreign key

references project(project\_id)

, constraint project\_skill\_requirement\_fk foreign key

references skill(skill\_id)

);

CREATE SEQUENCE people\_seq INCREMENT BY 1 START WITH 1;

CREATE SEQUENCE phone\_seq INCREMENT BY 1 START WITH 1;

CREATE SEQUENCE category\_for\_agency\_seq INCREMENT BY 1 START WITH 1;

CREATE SEQUENCE category\_for\_project\_seq INCREMENT BY 1 START WITH 1;

CREATE SEQUENCE agency\_seq INCREMENT BY 1 START WITH 1;

CREATE SEQUENCE project\_seq INCREMENT BY 1 START WITH 1;

CREATE SEQUENCE project\_offering\_seq INCREMENT BY 1 START WITH 1;

CREATE SEQUENCE volunteer\_seq INCREMENT BY 1 START WITH 1;

CREATE SEQUENCE assignment\_seq INCREMENT BY 1 START WITH 1;

CREATE SEQUENCE skill\_seq INCREMENT BY 1 START WITH 1;

CREATE OR REPLACE TRIGGER INSERT\_people

BEFORE INSERT ON people

FOR EACH ROW

DECLARE

new\_id number;

BEGIN

SELECT people\_seq.nextval INTO new\_id FROM dual;

:new.person\_id := new\_id;

END;

/

CREATE OR REPLACE TRIGGER INSERT\_phone

BEFORE INSERT ON phone

FOR EACH ROW

DECLARE

new\_id number;

BEGIN

SELECT phone\_seq.nextval INTO new\_id FROM dual;

:new.phone\_id := new\_id;

END;

/

CREATE OR REPLACE TRIGGER INSERT\_category\_for\_agency

BEFORE INSERT ON category\_for\_agency

FOR EACH ROW

DECLARE

new\_id number;

BEGIN

SELECT category\_seq.nextval INTO new\_id FROM dual;

:new.category\_id := new\_id;

END;

/

CREATE OR REPLACE TRIGGER INSERT\_agency

BEFORE INSERT ON agency

FOR EACH ROW

DECLARE

new\_id number;

BEGIN

SELECT agency\_seq.nextval INTO new\_id FROM dual;

:new.agency\_id := new\_id;

END;

/

CREATE OR REPLACE TRIGGER INSERT\_category\_for\_project

BEFORE INSERT ON category\_for\_project

FOR EACH ROW

DECLARE

new\_id number;

BEGIN

SELECT category\_seq.nextval INTO new\_id FROM dual;

:new.category\_id := new\_id;

END;

/

CREATE OR REPLACE TRIGGER INSERT\_project

BEFORE INSERT ON project

FOR EACH ROW

DECLARE

new\_id number;

BEGIN

SELECT project\_seq.nextval INTO new\_id FROM dual;

:new.project\_id := new\_id;

END;

/

CREATE OR REPLACE TRIGGER INSERT\_project\_offering

BEFORE INSERT ON project\_offering

FOR EACH ROW

DECLARE

new\_id number;

BEGIN

SELECT project\_offering\_seq.nextval INTO new\_id FROM dual;

:new.project\_offering\_id := new\_id;

END;

/

CREATE OR REPLACE TRIGGER INSERT\_volunteer

BEFORE INSERT ON volunteer

FOR EACH ROW

DECLARE

new\_id number;

BEGIN

SELECT volunteer\_seq.nextval INTO new\_id FROM dual;

:new.volunteer\_id := new\_id;

END;

/

CREATE OR REPLACE TRIGGER INSERT\_assignment

BEFORE INSERT ON assignment

FOR EACH ROW

DECLARE

new\_id number;

BEGIN

SELECT assignment\_seq.nextval INTO new\_id FROM dual;

:new.assignment\_id := new\_id;

END;

/

CREATE OR REPLACE TRIGGER INSERT\_skill

BEFORE INSERT ON skill

FOR EACH ROW

DECLARE

new\_id number;

BEGIN

SELECT skill\_seq.nextval INTO new\_id FROM dual;

:new.skill\_id := new\_id;

END;/

**CSO\_insert.sql**

-- PEOPLE

INSERT INTO PEOPLE (FIRST\_NAME, LAST\_NAME, STREET\_ADDRESS, CITY, STATE,

ZIPCODE, EMAIL, WEB\_URL) VALUES ('James', 'Sanders', '789 Wayward Drive', 'Houston', 'TX', '34233', null, null);

INSERT INTO PEOPLE (FIRST\_NAME, LAST\_NAME, STREET\_ADDRESS, CITY, STATE, ZIPCODE, EMAIL, WEB\_URL) VALUES ('Robert', 'Smith', '39 Parkway', 'Dallas', 'TX', '34433', null, null);

INSERT INTO PEOPLE (FIRST\_NAME, LAST\_NAME, STREET\_ADDRESS, CITY, STATE, ZIPCODE, EMAIL, WEB\_URL) VALUES ('Scott', 'Dale', '200 Zoom Avenue', 'Boygan', 'MI', '21548', null, null);

INSERT INTO PEOPLE (FIRST\_NAME, LAST\_NAME, STREET\_ADDRESS, CITY, STATE, ZIPCODE, EMAIL, WEB\_URL) VALUES ('Lori', 'Meph', '349 Motel Lane', 'Brokesville', 'KY', '43254', null, null);

INSERT INTO PEOPLE (FIRST\_NAME, LAST\_NAME, STREET\_ADDRESS, CITY, STATE, ZIPCODE, EMAIL, WEB\_URL) VALUES ('Samantha', 'Smalls', '349 Biggs Street', 'Smalltown', 'AK', '21548', null, null);

INSERT INTO PEOPLE (FIRST\_NAME, LAST\_NAME, STREET\_ADDRESS, CITY, STATE, ZIPCODE, EMAIL, WEB\_URL) VALUES ('Rupert', 'Gint', '264 Hugwurts Place', 'Hugsmeade', 'CA', '21868', null, null);

INSERT INTO PEOPLE (FIRST\_NAME, LAST\_NAME, STREET\_ADDRESS, CITY, STATE, ZIPCODE, EMAIL, WEB\_URL) VALUES ('Timothy', 'Johnson', '520 Coffee Avenue', 'Huntsville', 'IL', '21128', null, null);

INSERT INTO PEOPLE (FIRST\_NAME, LAST\_NAME, STREET\_ADDRESS, CITY, STATE, ZIPCODE, EMAIL, WEB\_URL) VALUES ('Nemo', 'Wahala', '542 Wallaby Lane', 'Sydney', 'AU', '78945', null, null);

INSERT INTO PEOPLE (FIRST\_NAME, LAST\_NAME, STREET\_ADDRESS, CITY, STATE, ZIPCODE, EMAIL, WEB\_URL) VALUES ('Kyle', 'Cooman', '349 Imposter Street', 'Kansas City', 'MO', '61548', null, null);

INSERT INTO PEOPLE (FIRST\_NAME, LAST\_NAME, STREET\_ADDRESS, CITY, STATE, ZIPCODE, EMAIL, WEB\_URL) VALUES ('Jeff', 'Simpson', '390 Wannabe Lane', 'Marion', 'AL', '11520', null, null);

-- PHONE

INSERT INTO PHONE (PERSON\_ID, PHONE\_TYPE, PHONE\_NUMBER) VALUES (1, 'HOME', '222-623-5427');

INSERT INTO PHONE (PERSON\_ID, PHONE\_TYPE, PHONE\_NUMBER) VALUES (2, 'CELL', '340-458-4562');

INSERT INTO PHONE (PERSON\_ID, PHONE\_TYPE, PHONE\_NUMBER) VALUES (3, 'HOME', '520-048-0540');

INSERT INTO PHONE (PERSON\_ID, PHONE\_TYPE, PHONE\_NUMBER) VALUES (4, 'CELL', '204-805-0856');

INSERT INTO PHONE (PERSON\_ID, PHONE\_TYPE, PHONE\_NUMBER) VALUES (5, 'WORK', '058-805-6752');

INSERT INTO PHONE (PERSON\_ID, PHONE\_TYPE, PHONE\_NUMBER) VALUES (6, 'CELL', '079-805-5468');

INSERT INTO PHONE (PERSON\_ID, PHONE\_TYPE, PHONE\_NUMBER) VALUES (7, 'HOME', '479-970-7564');

INSERT INTO PHONE (PERSON\_ID, PHONE\_TYPE, PHONE\_NUMBER) VALUES (8, 'HOME', '852-258-7913');

INSERT INTO PHONE (PERSON\_ID, PHONE\_TYPE, PHONE\_NUMBER) VALUES (9, 'WORK', '791-583-4568');

INSERT INTO PHONE (PERSON\_ID, PHONE\_TYPE, PHONE\_NUMBER) VALUES (10, 'HOME', '528-468-8320');

-- CATEGORY\_FOR\_AGENCY

INSERT INTO CATEGORY\_FOR\_AGENCY (CATEGORY\_ID, CATEGORY\_NAME, DESCRIPTION) VALUES (1, 'Retirement Home', null);

INSERT INTO CATEGORY\_FOR\_AGENCY (CATEGORY\_ID, CATEGORY\_NAME, DESCRIPTION) VALUES (2, 'School', null);

INSERT INTO CATEGORY\_FOR\_AGENCY (CATEGORY\_ID, CATEGORY\_NAME, DESCRIPTION) VALUES (3, 'Church', null);

INSERT INTO CATEGORY\_FOR\_AGENCY (CATEGORY\_ID, CATEGORY\_NAME, DESCRIPTION) VALUES (4, 'Non-profit', null);

INSERT INTO CATEGORY\_FOR\_AGENCY (CATEGORY\_ID, CATEGORY\_NAME, DESCRIPTION) VALUES (5, 'Farm', null);

INSERT INTO CATEGORY\_FOR\_AGENCY (CATEGORY\_ID, CATEGORY\_NAME, DESCRIPTION) VALUES (6, 'Community', null);

INSERT INTO CATEGORY\_FOR\_AGENCY (CATEGORY\_ID, CATEGORY\_NAME, DESCRIPTION) VALUES (7, 'Cleaning', null);

INSERT INTO CATEGORY\_FOR\_AGENCY (CATEGORY\_ID, CATEGORY\_NAME, DESCRIPTION) VALUES (8, 'Parks', null);

INSERT INTO CATEGORY\_FOR\_AGENCY (CATEGORY\_ID, CATEGORY\_NAME, DESCRIPTION) VALUES (9, 'Fundraiser', null);

INSERT INTO CATEGORY\_FOR\_AGENCY (CATEGORY\_ID, CATEGORY\_NAME, DESCRIPTION) VALUES (10, 'Animal Shelter', null);

-- AGENCY

INSERT INTO AGENCY (AGENCY\_ID, AGENCY\_NAME, STREET\_ADDRESS, CITY, STATE, ZIPCODE,PHONE, EMAIL, WEB\_URL, CONTACT\_ID) VALUES (1, 'Webster Works', '347 Gorlok Avenue', 'Saint Louis', 'MO', '63123', '314-548-4354', null, null, 1);

INSERT INTO AGENCY (AGENCY\_ID, AGENCY\_NAME, STREET\_ADDRESS, CITY, STATE, ZIPCODE,PHONE, EMAIL, WEB\_URL, CONTACT\_ID) VALUES (2, 'Volunteerism', '348 Arch Road', 'Chicago', 'IL', '60345', '341-944-4985', null, null, 3);

INSERT INTO AGENCY (AGENCY\_ID, AGENCY\_NAME, STREET\_ADDRESS, CITY, STATE, ZIPCODE,PHONE, EMAIL, WEB\_URL, CONTACT\_ID) VALUES (3, 'Holy Hands', '977 Pumpkin Hill Street', 'Brownsburg', 'IN', '46112', '123-354-8204', null, null, 5);

INSERT INTO AGENCY (AGENCY\_ID, AGENCY\_NAME, STREET\_ADDRESS, CITY, STATE, ZIPCODE,PHONE, EMAIL, WEB\_URL, CONTACT\_ID) VALUES (4, 'Happy Helpers', '991 Boston St', 'Baldwinsville', 'NY', '20772', '145-724-4502', null, null, 3);

INSERT INTO AGENCY (AGENCY\_ID, AGENCY\_NAME, STREET\_ADDRESS, CITY, STATE, ZIPCODE,PHONE, EMAIL, WEB\_URL, CONTACT\_ID) VALUES (5, 'Cleanup Crew', '52 Winding Way Avenue', 'West Roxbury', 'MA', '02132', '972-275-5025', null, null, 3);

INSERT INTO AGENCY (AGENCY\_ID, AGENCY\_NAME, STREET\_ADDRESS, CITY, STATE, ZIPCODE,PHONE, EMAIL, WEB\_URL, CONTACT\_ID) VALUES (6, 'Positive People', '130 Glenwwod Street', 'Upper Marlboro', 'MD', '20772', '250-522-7920', null, null, 1);

INSERT INTO AGENCY (AGENCY\_ID, AGENCY\_NAME, STREET\_ADDRESS, CITY, STATE, ZIPCODE,PHONE, EMAIL, WEB\_URL, CONTACT\_ID) VALUES (7, 'Local Love', '7650 Jefferson Drive', 'Far Rockaway', 'NY', '11691', '648-852-6852', null, null, 9);

INSERT INTO AGENCY (AGENCY\_ID, AGENCY\_NAME, STREET\_ADDRESS, CITY, STATE, ZIPCODE,PHONE, EMAIL, WEB\_URL, CONTACT\_ID) VALUES (8, 'American Heart Association', '61 Lantern Street', 'Tualatin', 'OR', '97062', '005-582-9777', null, null, 1);

INSERT INTO AGENCY (AGENCY\_ID, AGENCY\_NAME, STREET\_ADDRESS, CITY, STATE, ZIPCODE,PHONE, EMAIL, WEB\_URL, CONTACT\_ID) VALUES (9, 'CaringBridge', '669 N. Peg Shop Drive', 'Danville', 'VA', '24540', '085-852-5552', null, null, 3);

INSERT INTO AGENCY (AGENCY\_ID, AGENCY\_NAME, STREET\_ADDRESS, CITY, STATE, ZIPCODE,PHONE, EMAIL, WEB\_URL, CONTACT\_ID) VALUES (10, 'American Red Cross', '7989 Shady Drive', 'Loveland', 'OH', '45140', '879-997-8520', null, null, 10);

-- CATEGORY\_FOR\_PROJECT

INSERT INTO CATEGORY\_FOR\_PROJECT (CATEGORY\_ID, CATEGORY\_NAME, DESCRIPTION) VALUES (1, 'Cleaning',null);

INSERT INTO CATEGORY\_FOR\_PROJECT (CATEGORY\_ID, CATEGORY\_NAME, DESCRIPTION) VALUES (2, 'Cooking',null);

INSERT INTO CATEGORY\_FOR\_PROJECT (CATEGORY\_ID, CATEGORY\_NAME, DESCRIPTION) VALUES (3, 'Elderly Assistance',null);

INSERT INTO CATEGORY\_FOR\_PROJECT (CATEGORY\_ID, CATEGORY\_NAME, DESCRIPTION) VALUES (4, 'Croptending',null);

INSERT INTO CATEGORY\_FOR\_PROJECT (CATEGORY\_ID, CATEGORY\_NAME, DESCRIPTION) VALUES (5, 'Sewing',null);

INSERT INTO CATEGORY\_FOR\_PROJECT (CATEGORY\_ID, CATEGORY\_NAME, DESCRIPTION) VALUES (6, 'Animal Care',null);

INSERT INTO CATEGORY\_FOR\_PROJECT (CATEGORY\_ID, CATEGORY\_NAME, DESCRIPTION) VALUES (7, 'Nursing',null);

INSERT INTO CATEGORY\_FOR\_PROJECT (CATEGORY\_ID, CATEGORY\_NAME, DESCRIPTION) VALUES (8, 'Entertaining',null);

INSERT INTO CATEGORY\_FOR\_PROJECT (CATEGORY\_ID, CATEGORY\_NAME, DESCRIPTION) VALUES (9, 'Event Planning',null);

INSERT INTO CATEGORY\_FOR\_PROJECT (CATEGORY\_ID, CATEGORY\_NAME, DESCRIPTION) VALUES (10, 'Catering',null);

-- PROJECT

INSERT INTO PROJECT (PROJECT\_ID, DESCRIPTION, AGENCY\_ID) VALUES (1, 'Downtown Cleanup', 1);

INSERT INTO PROJECT (PROJECT\_ID, DESCRIPTION, AGENCY\_ID) VALUES (2, 'Caring Kitchen', 3);

INSERT INTO PROJECT (PROJECT\_ID, DESCRIPTION, AGENCY\_ID) VALUES (3, 'Lunch With The Golden Gals', 5);

INSERT INTO PROJECT (PROJECT\_ID, DESCRIPTION, AGENCY\_ID) VALUES (4, 'St Catherines Bake Sale', 1);

INSERT INTO PROJECT (PROJECT\_ID, DESCRIPTION, AGENCY\_ID) VALUES (5, 'Adoption Day', 7);

INSERT INTO PROJECT (PROJECT\_ID, DESCRIPTION, AGENCY\_ID) VALUES (6, 'Local Park', 8);

INSERT INTO PROJECT (PROJECT\_ID, DESCRIPTION, AGENCY\_ID) VALUES (7, 'Sew Warm', 8);

INSERT INTO PROJECT (PROJECT\_ID, DESCRIPTION, AGENCY\_ID) VALUES (8, 'Farmer Johns Farmers', 10);

INSERT INTO PROJECT (PROJECT\_ID, DESCRIPTION, AGENCY\_ID) VALUES (9, 'Bakesale', 8);

INSERT INTO PROJECT (PROJECT\_ID, DESCRIPTION, AGENCY\_ID) VALUES (10, 'Youth Day', 2);

-- PROJECT\_OFFERING

INSERT INTO PROJECT\_OFFERING (PROJECT\_OFFERING\_ID, PROJECT\_ID, PROJECT\_DATE, CONTACT\_ID, NUM\_VOLUNTEER, NUM\_HOUR) VALUES (1, 1, 2020-03-22, 1, '6', '3');

INSERT INTO PROJECT\_OFFERING (PROJECT\_OFFERING\_ID, PROJECT\_ID, PROJECT\_DATE, CONTACT\_ID, NUM\_VOLUNTEER, NUM\_HOUR) VALUES (2, 2, 2020-04-12, 2, '10', '2');

INSERT INTO PROJECT\_OFFERING (PROJECT\_OFFERING\_ID, PROJECT\_ID, PROJECT\_DATE, CONTACT\_ID, NUM\_VOLUNTEER, NUM\_HOUR) VALUES (3, 3, 2021-05-08, 3, '20', '1.5');

INSERT INTO PROJECT\_OFFERING (PROJECT\_OFFERING\_ID, PROJECT\_ID, PROJECT\_DATE, CONTACT\_ID, NUM\_VOLUNTEER, NUM\_HOUR) VALUES (4, 4, 2022-10-10, 4, '15', '6');

INSERT INTO PROJECT\_OFFERING (PROJECT\_OFFERING\_ID, PROJECT\_ID, PROJECT\_DATE, CONTACT\_ID, NUM\_VOLUNTEER, NUM\_HOUR) VALUES (5, 5, 2020-07-07, 5, '3', '7');

INSERT INTO PROJECT\_OFFERING (PROJECT\_OFFERING\_ID, PROJECT\_ID, PROJECT\_DATE, CONTACT\_ID, NUM\_VOLUNTEER, NUM\_HOUR) VALUES (6, 6, 2020-06-01, 6, '6', '6');

INSERT INTO PROJECT\_OFFERING (PROJECT\_OFFERING\_ID, PROJECT\_ID, PROJECT\_DATE, CONTACT\_ID, NUM\_VOLUNTEER, NUM\_HOUR) VALUES (7, 7, 2020-04-10, 7, '10', '2');

INSERT INTO PROJECT\_OFFERING (PROJECT\_OFFERING\_ID, PROJECT\_ID, PROJECT\_DATE, CONTACT\_ID, NUM\_VOLUNTEER, NUM\_HOUR) VALUES (8, 8, 2020-02-22, 8, '1', '5');

INSERT INTO PROJECT\_OFFERING (PROJECT\_OFFERING\_ID, PROJECT\_ID, PROJECT\_DATE, CONTACT\_ID, NUM\_VOLUNTEER, NUM\_HOUR) VALUES (9, 9, 2020-05-05, 9, '5', '2');

INSERT INTO PROJECT\_OFFERING (PROJECT\_OFFERING\_ID, PROJECT\_ID, PROJECT\_DATE, CONTACT\_ID, NUM\_VOLUNTEER, NUM\_HOUR) VALUES (10, 10, 2020-06-16, 10, '15', '3');

-- VOLUNTEER

INSERT INTO VOLUNTEER (VOLUNTEER\_ID, PERSON\_ID) VALUES (1, 1);

INSERT INTO VOLUNTEER (VOLUNTEER\_ID, PERSON\_ID) VALUES (2, 2);

INSERT INTO VOLUNTEER (VOLUNTEER\_ID, PERSON\_ID) VALUES (3, 3);

INSERT INTO VOLUNTEER (VOLUNTEER\_ID, PERSON\_ID) VALUES (4, 4);

INSERT INTO VOLUNTEER (VOLUNTEER\_ID, PERSON\_ID) VALUES (5, 5);

INSERT INTO VOLUNTEER (VOLUNTEER\_ID, PERSON\_ID) VALUES (6, 6);

INSERT INTO VOLUNTEER (VOLUNTEER\_ID, PERSON\_ID) VALUES (7, 7);

INSERT INTO VOLUNTEER (VOLUNTEER\_ID, PERSON\_ID) VALUES (8, 8);

INSERT INTO VOLUNTEER (VOLUNTEER\_ID, PERSON\_ID) VALUES (9, 9);

INSERT INTO VOLUNTEER (VOLUNTEER\_ID, PERSON\_ID) VALUES (10, 10);

-- ASSIGNMENT

INSERT INTO ASSIGNMENT (ASSIGNMENT\_ID, PROJECT\_OFFERING\_ID, VOLUNTEER\_ID, IS\_LEADER) VALUES (1, 1, 1, 'yes');

INSERT INTO ASSIGNMENT (ASSIGNMENT\_ID, PROJECT\_OFFERING\_ID, VOLUNTEER\_ID, IS\_LEADER) VALUES (2, 2, 2, 'yes');

INSERT INTO ASSIGNMENT (ASSIGNMENT\_ID, PROJECT\_OFFERING\_ID, VOLUNTEER\_ID, IS\_LEADER) VALUES (3, 3, 3, 'yes');

INSERT INTO ASSIGNMENT (ASSIGNMENT\_ID, PROJECT\_OFFERING\_ID, VOLUNTEER\_ID, IS\_LEADER) VALUES (4, 4, 4, 'no');

INSERT INTO ASSIGNMENT (ASSIGNMENT\_ID, PROJECT\_OFFERING\_ID, VOLUNTEER\_ID, IS\_LEADER) VALUES (5, 5, 5, 'no');

INSERT INTO ASSIGNMENT (ASSIGNMENT\_ID, PROJECT\_OFFERING\_ID, VOLUNTEER\_ID, IS\_LEADER) VALUES (6, 6, 6, 'yes');

INSERT INTO ASSIGNMENT (ASSIGNMENT\_ID, PROJECT\_OFFERING\_ID, VOLUNTEER\_ID, IS\_LEADER) VALUES (7, 7, 7, 'yes');

INSERT INTO ASSIGNMENT (ASSIGNMENT\_ID, PROJECT\_OFFERING\_ID, VOLUNTEER\_ID, IS\_LEADER) VALUES (8, 8, 8, 'no');

INSERT INTO ASSIGNMENT (ASSIGNMENT\_ID, PROJECT\_OFFERING\_ID, VOLUNTEER\_ID, IS\_LEADER) VALUES (9, 9, 9, 'no');

INSERT INTO ASSIGNMENT (ASSIGNMENT\_ID, PROJECT\_OFFERING\_ID, VOLUNTEER\_ID, IS\_LEADER) VALUES (10, 10, 10, 'yes');

--SKILL

INSERT INTO SKILL (SKILL\_ID, SKILL\_NAME, DESCRIPTION) VALUES (1, 'Cooking', null);

INSERT INTO SKILL (SKILL\_ID, SKILL\_NAME, DESCRIPTION) VALUES (2, 'Public Speaking', null);

INSERT INTO SKILL (SKILL\_ID, SKILL\_NAME, DESCRIPTION) VALUES (3, 'Cleaning', null);

INSERT INTO SKILL (SKILL\_ID, SKILL\_NAME, DESCRIPTION) VALUES (4, 'Botany', null);

INSERT INTO SKILL (SKILL\_ID, SKILL\_NAME, DESCRIPTION) VALUES (5, 'Catering', null);

INSERT INTO SKILL (SKILL\_ID, SKILL\_NAME, DESCRIPTION) VALUES (6, 'Heavy Lifting', null);

INSERT INTO SKILL (SKILL\_ID, SKILL\_NAME, DESCRIPTION) VALUES (7, 'Sewing', null);

INSERT INTO SKILL (SKILL\_ID, SKILL\_NAME, DESCRIPTION) VALUES (8, 'Driving', null);

INSERT INTO SKILL (SKILL\_ID, SKILL\_NAME, DESCRIPTION) VALUES (9, 'Performing', null);

INSERT INTO SKILL (SKILL\_ID, SKILL\_NAME, DESCRIPTION) VALUES (10, 'Baking', null);

--AGENCY\_CATEGORY

INSERT INTO AGENCY\_CATEGORY (AGENCY\_ID, CATEGORY\_ID) VALUES (1,1);

INSERT INTO AGENCY\_CATEGORY (AGENCY\_ID, CATEGORY\_ID) VALUES (2,2);

INSERT INTO AGENCY\_CATEGORY (AGENCY\_ID, CATEGORY\_ID) VALUES (3,3);

INSERT INTO AGENCY\_CATEGORY (AGENCY\_ID, CATEGORY\_ID) VALUES (4,4);

INSERT INTO AGENCY\_CATEGORY (AGENCY\_ID, CATEGORY\_ID) VALUES (5,5);

INSERT INTO AGENCY\_CATEGORY (AGENCY\_ID, CATEGORY\_ID) VALUES (6,6);

INSERT INTO AGENCY\_CATEGORY (AGENCY\_ID, CATEGORY\_ID) VALUES (7,7);

INSERT INTO AGENCY\_CATEGORY (AGENCY\_ID, CATEGORY\_ID) VALUES (8,8);

INSERT INTO AGENCY\_CATEGORY (AGENCY\_ID, CATEGORY\_ID) VALUES (9,9);

INSERT INTO AGENCY\_CATEGORY (AGENCY\_ID, CATEGORY\_ID) VALUES (10,10);

--VOLUNTEER\_SKILLSET

INSERT INTO VOLUNTEER\_SKILLSET (VOLUNTEER\_ID, SKILL\_ID) VALUES (1,1);

INSERT INTO VOLUNTEER\_SKILLSET (VOLUNTEER\_ID, SKILL\_ID) VALUES (2,2);

INSERT INTO VOLUNTEER\_SKILLSET (VOLUNTEER\_ID, SKILL\_ID) VALUES (3,3);

INSERT INTO VOLUNTEER\_SKILLSET (VOLUNTEER\_ID, SKILL\_ID) VALUES (4,4);

INSERT INTO VOLUNTEER\_SKILLSET (VOLUNTEER\_ID, SKILL\_ID) VALUES (5,5);

INSERT INTO VOLUNTEER\_SKILLSET (VOLUNTEER\_ID, SKILL\_ID) VALUES (6,6);

INSERT INTO VOLUNTEER\_SKILLSET (VOLUNTEER\_ID, SKILL\_ID) VALUES (7,7);

INSERT INTO VOLUNTEER\_SKILLSET (VOLUNTEER\_ID, SKILL\_ID) VALUES (8,8);

INSERT INTO VOLUNTEER\_SKILLSET (VOLUNTEER\_ID, SKILL\_ID) VALUES (9,9);

INSERT INTO VOLUNTEER\_SKILLSET (VOLUNTEER\_ID, SKILL\_ID) VALUES (10,10);

--PROJECT\_SKILL\_REQUIREMENT

INSERT INTO PROJECT\_SKILL\_REQUIREMENT (PROJECT\_ID, SKILL\_ID)

VALUES (1,1);

INSERT INTO PROJECT\_SKILL\_REQUIREMENT (PROJECT\_ID, SKILL\_ID)

VALUES (2,2);

INSERT INTO PROJECT\_SKILL\_REQUIREMENT (PROJECT\_ID, SKILL\_ID)

VALUES (3,3);

INSERT INTO PROJECT\_SKILL\_REQUIREMENT (PROJECT\_ID, SKILL\_ID)

VALUES (4,4);

INSERT INTO PROJECT\_SKILL\_REQUIREMENT (PROJECT\_ID, SKILL\_ID)

VALUES (5,5);

INSERT INTO PROJECT\_SKILL\_REQUIREMENT (PROJECT\_ID, SKILL\_ID)

VALUES (6,6);

INSERT INTO PROJECT\_SKILL\_REQUIREMENT (PROJECT\_ID, SKILL\_ID)

VALUES (7,7);

INSERT INTO PROJECT\_SKILL\_REQUIREMENT (PROJECT\_ID, SKILL\_ID)

VALUES (8,8);

INSERT INTO PROJECT\_SKILL\_REQUIREMENT (PROJECT\_ID, SKILL\_ID)

VALUES (9,9);

INSERT INTO PROJECT\_SKILL\_REQUIREMENT (PROJECT\_ID, SKILL\_ID)

VALUES (10,10);

--PROJECT\_CATEGORY

INSERT INTO PROJECT\_CATEGORY (PROJECT\_ID, CATEGORY\_ID) VALUES (1,1);

INSERT INTO PROJECT\_CATEGORY (PROJECT\_ID, CATEGORY\_ID) VALUES (2,2);

INSERT INTO PROJECT\_CATEGORY (PROJECT\_ID, CATEGORY\_ID) VALUES (3,3);

INSERT INTO PROJECT\_CATEGORY (PROJECT\_ID, CATEGORY\_ID) VALUES (4,4);

INSERT INTO PROJECT\_CATEGORY (PROJECT\_ID, CATEGORY\_ID) VALUES (5,5);

INSERT INTO PROJECT\_CATEGORY (PROJECT\_ID, CATEGORY\_ID) VALUES (6,6);

INSERT INTO PROJECT\_CATEGORY (PROJECT\_ID, CATEGORY\_ID) VALUES (7,7);

INSERT INTO PROJECT\_CATEGORY (PROJECT\_ID, CATEGORY\_ID) VALUES (8,8);

INSERT INTO PROJECT\_CATEGORY (PROJECT\_ID, CATEGORY\_ID) VALUES (9,9);

INSERT INTO PROJECT\_CATEGORY (PROJECT\_ID, CATEGORY\_ID) VALUES (10,10);

**CSO\_drop.sql**

alter table phone drop constraint phone\_fk;

alter table agency drop constraint agency\_fk;

alter table agency\_category drop constraint agency\_id\_fk;

alter table agency\_category drop constraint category\_id\_fk;

alter table project drop constraint project\_fk;

alter table project\_offering drop constraint project\_offering\_project\_fk;

alter table project\_offering drop constraint project\_offering\_people\_fk;

alter table project\_category drop constraint project\_category\_project\_fk;

alter table project\_category drop constraint project\_category\_category\_fk;

alter table volunteer drop constraint volunteer\_fk;

alter table assignment drop constraint assignment\_project\_offering\_fk;

alter table assignment drop constraint assignment\_volunteer\_fk;

alter table volunteer\_skillset drop constraint volunteer\_skillset\_volunteer\_fk;

alter table volunteer\_skillset drop constraint volunteer\_skillset\_skill\_fk;

alter table project\_skill\_requirement drop constraint project\_skill\_requirement\_project\_fk;

alter table project\_skill\_requirement drop constraint project\_skill\_requirement\_skill\_fk;

drop table people;

drop table phone;

drop table category\_for\_agency;

drop table agency;

drop table agency\_category;

drop table category\_for\_project;

drop table project;

drop table project\_offering;

drop table project\_category;

drop table volunteer;

drop table assignment;

drop table skill;

drop table volunteer\_skillset;

drop table project\_skill\_requirement;

DROP SEQUENCE people\_seq;

DROP SEQUENCE phone\_seq;

DROP SEQUENCE category\_for\_agency\_seq;

DROP SEQUENCE category\_for\_project\_seq;

DROP SEQUENCE agency\_seq;

DROP SEQUENCE project\_seq;

DROP SEQUENCE project\_offering\_seq;

DROP SEQUENCE volunteer\_seq;

DROP SEQUENCE assignment\_seq;

DROP SEQUENCE skill\_seq;

**Printouts of Sample Data**

**Agency**

"AGENCY\_ID","AGENCY\_NAME","STREET\_ADDRESS","CITY","STATE","ZIPCODE","PHONE","EMAIL","WEB\_URL","CONTACT\_ID"

"1","Webster Works","347 Gorlok Avenue","Saint Louis","MO","63123","314-548-4354","","","1"

"2","Volunteerism","348 Arch Road","Chicago","IL","60345","341-944-4985","","","3"

"3","Holy Hands","977 Pumpkin Hill Street","Brownsburg","IN","46112","123-354-8204","","","5"

"4","Happy Helpers","991 Boston St","Baldwinsville","NY","20772","145-724-4502","","","3"

"5","Cleanup Crew","52 Winding Way Avenue","West Roxbury","MA","02132","972-275-5025","","","3"

"6","Positive People","130 Glenwwod Street","Upper Marlboro","MD","20772","250-522-7920","","","1"

"7","Local Love","7650 Jefferson Drive","Far Rockaway","NY","11691","648-852-6852","","","9"

"8","American Heart Association","61 Lantern Street","Tualatin","OR","97062","005-582-9777","","","1"

"9","CaringBridge","669 N. Peg Shop Drive","Danville","VA","24540","085-852-5552","","","3"

"10","American Red Cross","7989 Shady Drive","Loveland","OH","45140","879-997-8520","","","10"

**Agency\_Category**

"AGENCY\_ID","CATEGORY\_ID"

"1","1"

"2","2"

"3","3"

"4","4"

"5","5"

"6","6"

"7","7"

"8","8"

"9","9"

"10","10"

**Assignment**

"ASSIGNMENT\_ID","PROJECT\_OFFERING\_ID","VOLUNTEER\_ID","IS\_LEADER"

"1","1","1","yes"

"2","2","2","yes"

"3","3","3","yes"

"4","4","4","no"

"5","5","5","no"

"6","6","6","yes"

"7","7","7","yes"

"8","8","8","no"

"9","9","9","no"

"10","10","10","yes"

**Category\_For\_Agency**

"CATEGORY\_ID","CATEGORY\_NAME","DESCRIPTION"

"1","Retirement Home",""

"2","School",""

"3","Church",""

"4","Non-profit",""

"5","Farm",""

"6","Community",""

"7","Cleaning",""

"8","Parks",""

"9","Fundraiser",""

"10","Animal Shelter",""

**Category\_For\_Project**

"CATEGORY\_ID","CATEGORY\_NAME","DESCRIPTION"

"1","Cleaning",""

"2","Cooking",""

"3","Elderly Assistance",""

"4","Croptending",""

"5","Sewing",""

"6","Animal Care",""

"7","Nursing",""

"8","Entertaining",""

"9","Event Planning",""

"10","Catering",""

**People**

"PERSON\_ID","FIRST\_NAME","LAST\_NAME","STREET\_ADDRESS","CITY","STATE","ZIPCODE","EMAIL","WEB\_URL"

"1","James","Sanders","789 Wayward Drive","Houston","TX","34233","",""

"2","Robert","Smith","39 Parkway","Dallas","TX","34433","",""

"3","Scott","Dale","200 Zoom Avenue","Boygan","MI","21548","",""

"4","Lori","Meph","349 Motel Lane","Brokesville","KY","43254","",""

"5","Samantha","Smalls","349 Biggs Street","Smalltown","AK","21548","",""

"6","Rupert","Gint","264 Hugwurts Place","Hugsmeade","CA","21868","",""

"7","Timothy","Johnson","520 Coffee Avenue","Huntsville","IL","21128","",""

"8","Nemo","Wahala","542 Wallaby Lane","Sydney","AU","78945","",""

"9","Kyle","Cooman","349 Imposter Street","Kansas City","MO","61548","",""

"10","Jeff","Simpson","390 Wannabe Lane","Marion","AL","11520","",""

**Phone**

"PHONE\_ID","PERSON\_ID","PHONE\_TYPE","PHONE\_NUMBER"

"1","1","HOME","222-623-5427"

"2","2","CELL","340-458-4562"

"3","3","HOME","520-048-0540"

"4","4","CELL","204-805-0856"

"5","5","WORK","058-805-6752"

"6","6","CELL","079-805-5468"

"7","7","HOME","479-970-7564"

"8","8","HOME","852-258-7913"

"9","9","WORK","791-583-4568"

"10","10","HOME","528-468-8320"

**Project**

"PROJECT\_ID","DESCRIPTION","AGENCY\_ID"

"1","Downtown Cleanup","1"

"2","Caring Kitchen","3"

"3","Lunch With The Golden Gals","5"

"4","St Catherines Bake Sale","1"

"5","Adoption Day","7"

"6","Local Park","8"

"7","Sew Warm","8"

"8","Farmer Johns Farmers","10"

"9","Bakesale","8"

"10","Youth Day","2"

**Project\_Category**

"PROJECT\_ID","CATEGORY\_ID"

"1","1"

"2","2"

"3","3"

"4","4"

"5","5"

"6","6"

"7","7"

"8","8"

"9","9"

"10","10"

**Project\_Offering**

"PROJECT\_OFFERING\_ID","PROJECT\_ID","PROJECT\_DATE","CONTACT\_ID","NUM\_VOLUNTEER","NUM\_HOUR"

"1","1","1995","1","6","3"

"2","2","2004","2","10","2"

"3","3","2008","3","20","1.5"

"4","4","2002","4","15","6"

"5","5","2006","5","3","7"

"6","6","2013","6","6","6"

"7","7","2006","7","10","2"

"8","8","1996","8","1","5"

"9","9","2010","9","5","2"

"10","10","1998","10","15","3"

**Project\_Skill\_Requirement**

"PROJECT\_ID","SKILL\_ID"

"1","1"

"2","2"

"3","3"

"4","4"

"5","5"

"6","6"

"7","7"

"8","8"

"9","9"

"10","10"

**Skill**

"SKILL\_ID","SKILL\_NAME","DESCRIPTION"

"1","Cooking",""

"2","Public Speaking",""

"3","Cleaning",""

"4","Botany",""

"5","Catering",""

"6","Heavy Lifting",""

"7","Sewing",""

"8","Driving",""

"9","Performing",""

"10","Baking",""

**Volunteer**

"VOLUNTEER\_ID","PERSON\_ID"

"1","1"

"2","2"

"3","3"

"4","4"

"5","5"

"6","6"

"7","7"

"8","8"

"9","9"

"10","10"

**Volunteer\_Skillset**

"VOLUNTEER\_ID","SKILL\_ID"

"1","1"

"2","2"

"3","3"

"4","4"

"5","5"

"6","6"

"7","7"

"8","8"

"9","9"

"10","10"