

Creating multi-record data entry form-based app.

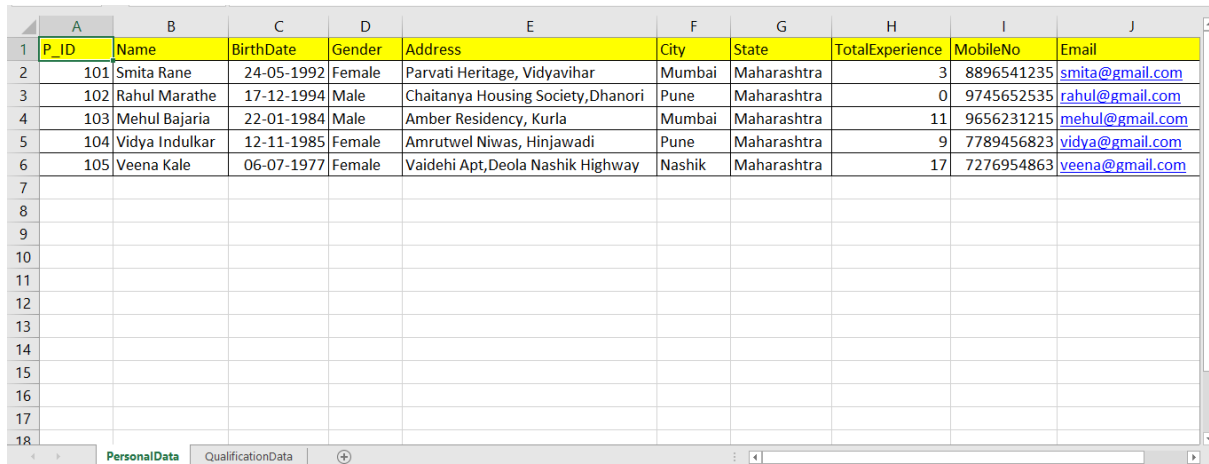
Contents

1. Getting ready to create App	3
1.1 Preparing Excel File to Create App	3
1.2 Importing excel file and transferring data to MySQL	3
2. Creating App/s.....	10
2.1 Creating master app	10
2.2 Creating education app	12
3. Executing the App.....	16

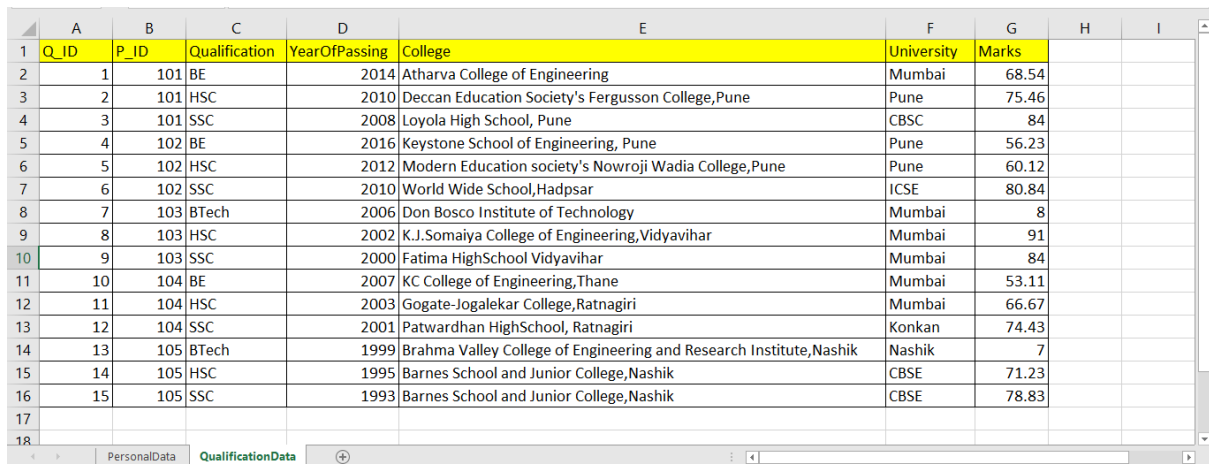
1. Getting ready to create App

1.1 Preparing Excel File to Create App

Multi-entry data form application needs two datasets. The first is master and second is child. This app is created from excel workbook containing two worksheets 1> Personal detail (master data set) and 2> Qualification Details (child data set).



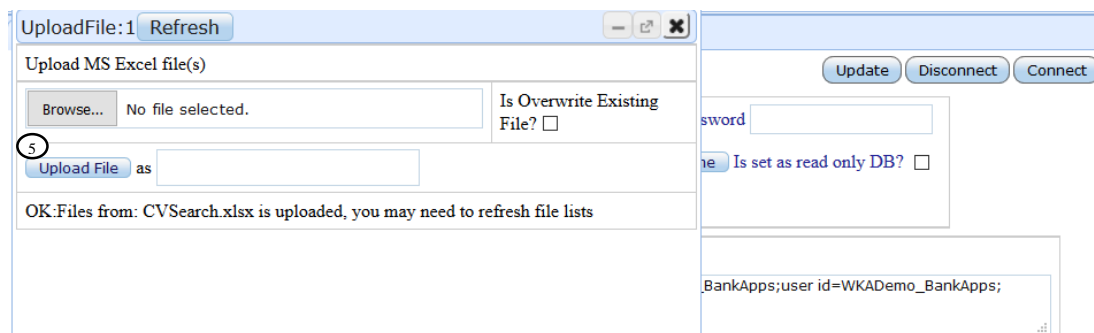
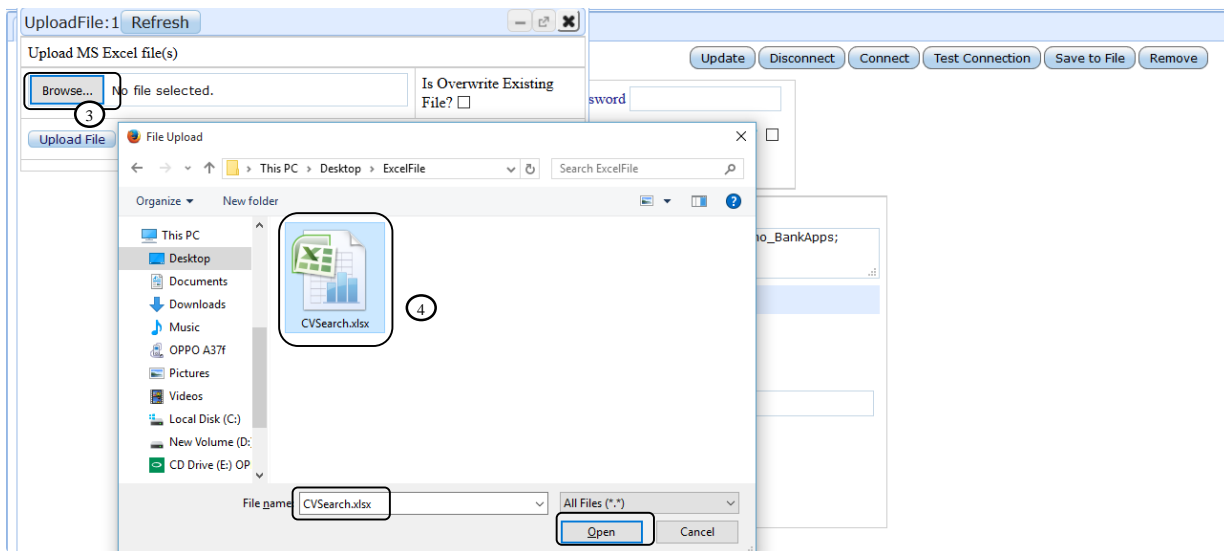
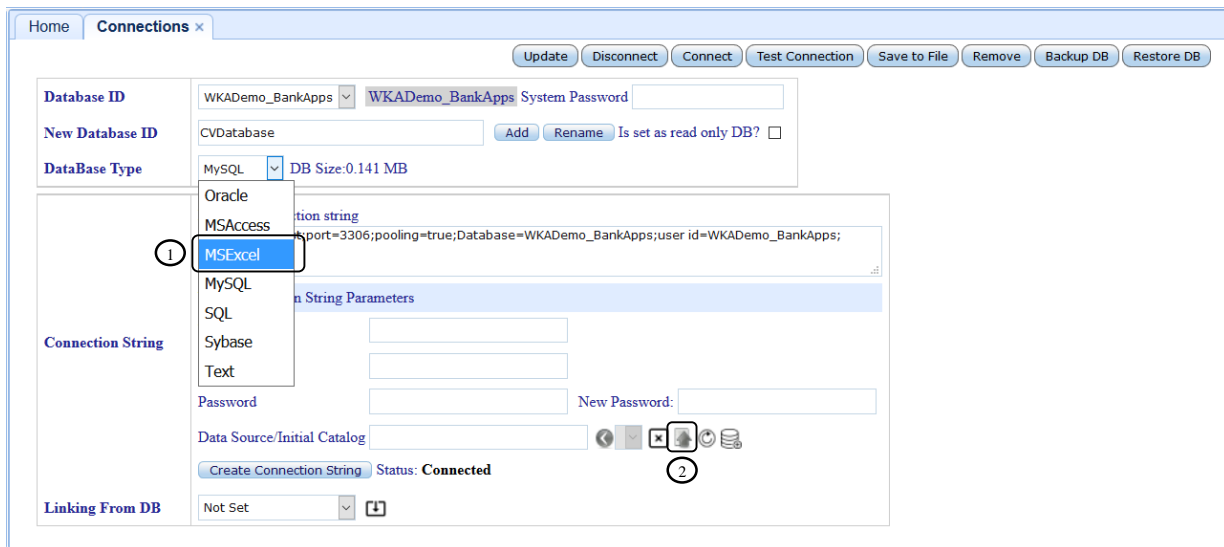
P_ID	Name	BirthDate	Gender	Address	City	State	TotalExperience	MobileNo	Email
101	Smita Rane	24-05-1992	Female	Parvati Heritage, Vidyavihar	Mumbai	Maharashtra	3	8896541235	smita@gmail.com
102	Rahul Marathe	17-12-1994	Male	Chaitanya Housing Society, Dhanori	Pune	Maharashtra	0	9745652535	rahul@gmail.com
103	Mehul Bajaria	22-01-1984	Male	Amber Residency, Kurla	Mumbai	Maharashtra	11	9656231215	mehul@gmail.com
104	Vidya Indulkar	12-11-1985	Female	Amrutwel Niwas, Hinjawadi	Pune	Maharashtra	9	7789456823	vidya@gmail.com
105	Veena Kale	06-07-1977	Female	Vaidehi Apt, Deola Nashik Highway	Nashik	Maharashtra	17	7276954863	veena@gmail.com



Q_ID	P_ID	Qualification	YearOfPassing	College	University	Marks
1	101	BE	2014	Atharva College of Engineering	Mumbai	68.54
2	101	HSC	2010	Deccan Education Society's Fergusson College, Pune	Pune	75.46
3	101	SSC	2008	Loyola High School, Pune	CBSC	84
4	102	BE	2016	Keystone School of Engineering, Pune	Pune	56.23
5	102	HSC	2012	Modern Education society's Nowroji Wadia College, Pune	Pune	60.12
6	102	SSC	2010	World Wide School, Hadpsar	ICSE	80.84
7	103	BTech	2006	Don Bosco Institute of Technology	Mumbai	8
8	103	HSC	2002	K.J.Somaiya College of Engineering, Vidyavihar	Mumbai	91
9	103	SSC	2000	Fatima High School Vidyavihar	Mumbai	84
10	104	BE	2007	KC College of Engineering, Thane	Mumbai	53.11
11	104	HSC	2003	Gogate-Jogalekar College, Ratnagiri	Mumbai	66.67
12	104	SSC	2001	Patwardhan High School, Ratnagiri	Konkan	74.43
13	105	BTech	1999	Brahma Valley College of Engineering and Research Institute, Nashik	Nashik	7
14	105	HSC	1995	Barnes School and Junior College, Nashik	CBSE	71.23
15	105	SSC	1993	Barnes School and Junior College, Nashik	CBSE	78.83

1.2 Importing excel file and transferring data to MySQL

Import Excel file and create DB connection (e.g. *CVDatabase*).



Home **Connections** x

Update Disconnect Conn

Database ID WKADemo_BankApps WKADemo_BankApps System Password

New Database ID CVDatabase 6 Add Rename Is set as read only DB?

DataBase Type MExcel DB Size:0.141 MB

Connection String

Existing connection string
Server=localhost;port=3306;pooling=true;Database=WKADemo_BankApps;user id=WKADemo_BankApps;

New Connection String Parameters

User Id

Server name

Password New Password:

Data Source/Initial Catalog CVSearch.xlsx 7

Create Connection String Status: **Connected**

Linking From DB Not Set

Home **Connections** x

Update Disconnect Conn

OK:Database added. x

Database ID CVDatabase CVDatabase System Password

New Database ID CVDatabase Add Rename Is set as read only DB?

DataBase Type MExcel

Connection String

Existing connection string
Provider=Microsoft.ACE.OLEDB.12.0;Extended Properties=Excel 12.0 Xml;Data Source=[APP_PATH]ProjectFiles/CVSearch.xlsx;

New Connection String Parameters

User Id

Server name

Password New Password:

Data Source/Initial Catalog CVSearch.xlsx

Create Connection String Status: **Connected**

Linking From DB Not Set

Transferring data to MySQL database through *Data Import/ Transfer Interface*

Home Connections x Data Import/Transfer x

Client/Destination DB WKADemo_BankApps * ①

Data Source Type Metadata *

Data Source Name Account Remove Data Source Show Export Data

Source DB TEXT_FILE

Selected Table/File [Import_Services.txt] Show Data

Buffer Size 500

Criteria

Select Fields Select Column List Uncheck All Check All

Records from: To:

Import/Insert Data Update Records Is allow partial data to import?

Create New Source CV_PersonalData ④ Using DB/Table: CVDatabase ② [PersonalDetails\$] ③ [PersonalDetails\$] ⑤ [QualificationDetails\$]

Check the option Do not add extra field and click on next button.

Home Connections x Data Import/Transfer x

Data Validator: 1 Refresh

Is first Row header? Is replace header spaces with _? Is make first letter of word in header capital?

Do not add extra fields? Is set field size from current data being imported?

Delimited Fixed Width

Tab Semicolon Comma Space Other

P_ID	Name	BirthDate	Gender	Address	City	State	TotalExperience	MobileNo	Email
101	Smita Rane	5/24/1992 12:00:00 AM	Female	Parvati Heritage, Vidyavihar	Mumbai	Maharashtra	3	8896541235	smita@gmail.com
102	Rahul Marathe	12/17/1994 12:00:00 AM	Male	Chaitanya Housing Society,Dhanori	Pune	Maharashtra	0	9745652535	rahul@gmail.com
103	Mehul Bajaria	1/22/1984 12:00:00 AM	Male	Amber Residency, Kurla	Mumbai	Maharashtra	11	9656231215	mehul@gmail.com
104	Vidya Indulkar	11/12/1985 12:00:00 AM	Female	Amrutwel Niwas, Hinjawadi	Pune	Maharashtra	9	7789456823	vidya@gmail.com
105	Veena Kale	7/6/1977 12:00:00 AM	Female	Vaidehi Apt,Deola Nashik Highway	Nashik	Maharashtra	17	7276954863	veena@gmail.com

Previous Next Cancel

Import/Insert Data Update Records Is allow partial data to import?

Create New Source CV_PersonalData Using DB/Table: TEXT_FILE [Import_Services.txt] Create Is drop existing data source table?

Home Connections x Data Import/Transfer x

Data Validator: 1 Refresh

Date and Time

Date Order : DMY Month Format: Short Name (ex.Jan) Four Digit Years

(If month in text format) Full Name (ex.January) Default

Date Delimiter: / Is Time Present

Select	Primary Key	Unique Key	Column Name	New Column Name	Data Type	Data Size
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	P_ID	P_ID	int	10
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Name	Name	varchar	255
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	BirthDate	BirthDate	timestamp	25
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gender	Gender	varchar	255
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Address	Address	varchar	255
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	City	City	varchar	255
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	State	State	varchar	255
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	TotalExperience	TotalExperience	int	10
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	MobileNo	MobileNo	int	10
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Email	Email	varchar	255

Previous Next Cancel

Is drop existing data source table?

Set primary key and unique key constraints.

Data Validator:1 Refresh

Date and Time
 Date Order : DMY Month Format: Short Name (ex.Jan) Four Digit Years
 (If month in text format) Full Name (ex.January)
 Default

Date Delimiter: / Is Time Present

Select	Primary Key	Unique Key	Column Name	New Column Name	Data Type	Data Size
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	P_ID	P_ID	int	10
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Name	Name	varchar	25
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	BirthDate	BirthDate	date	25
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gender	Gender	varchar	6
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Address	Address	varchar	33
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	City	City	varchar	6
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	State	State	varchar	11
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	TotalExperience	TotalExperience	int	10
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	MobileNo	MobileNo	varchar	10
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Email	Email	varchar	20

Previous Next Cancel

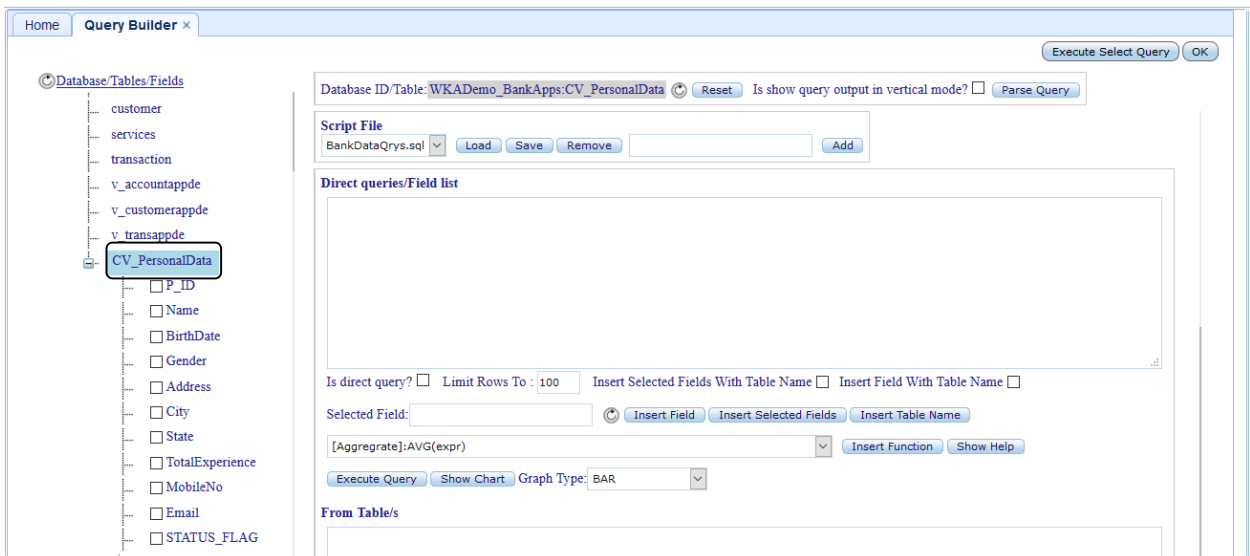
ka Data Validator:1 Refresh Data Entry

Project Name: BankApps
 Service ID: 0
 Service Type: Metadata
 Date Format: dd/mm/yyyy hh:nn:ss
 Table Name: CV_PersonalData
 Primary Keys: P_ID
 Unique Keys: P_ID
 Data Importing Status: Number of records inserted=5

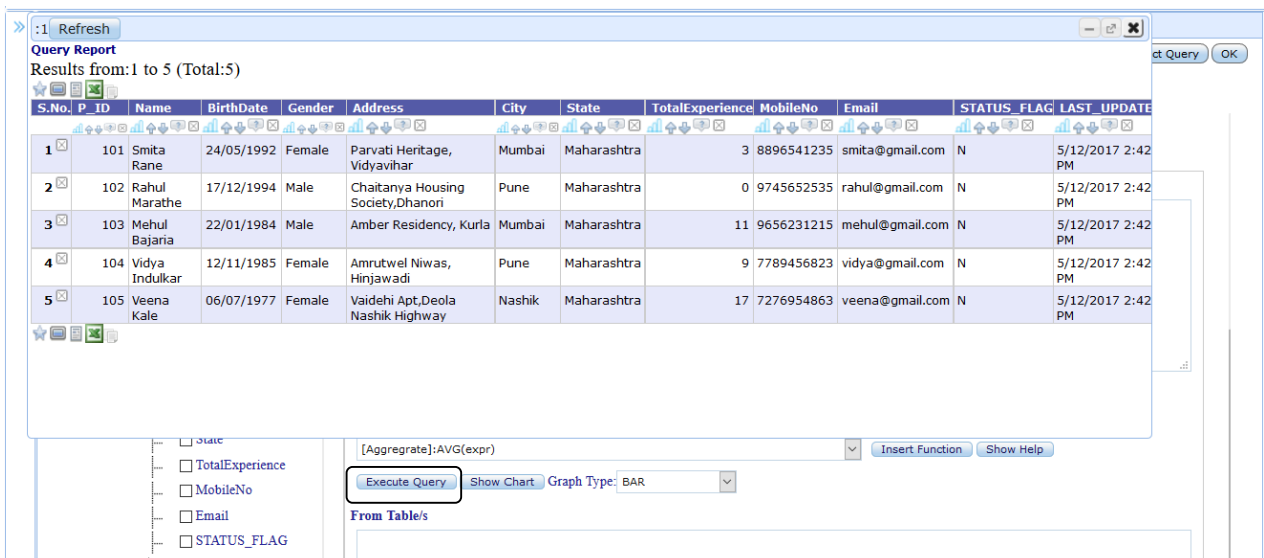
Finish Cancel

ing data source table?

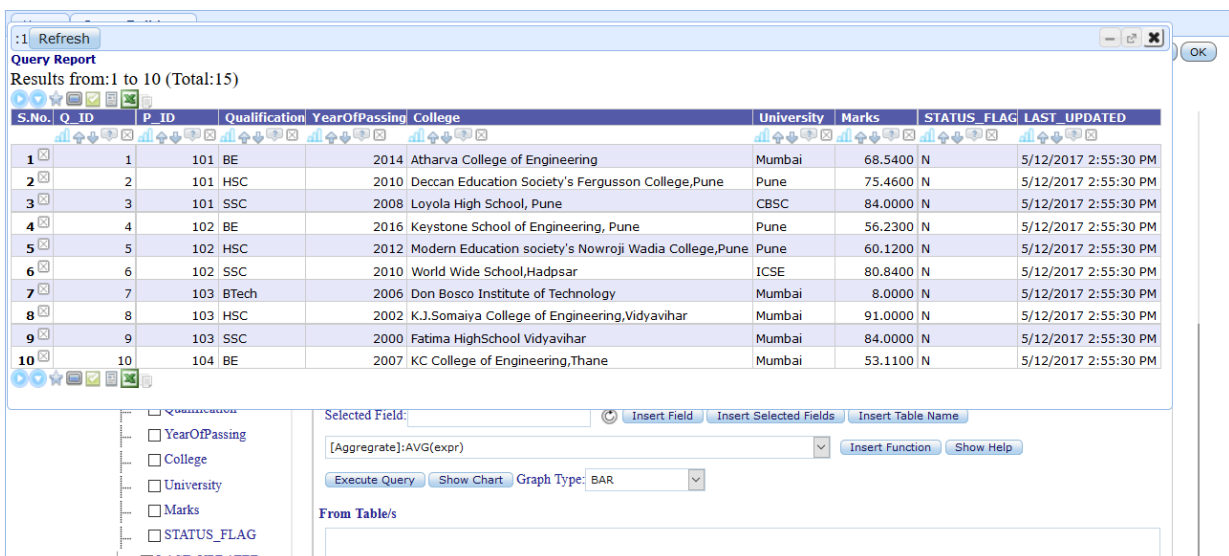
Open query builder to check data transferred to MySQL



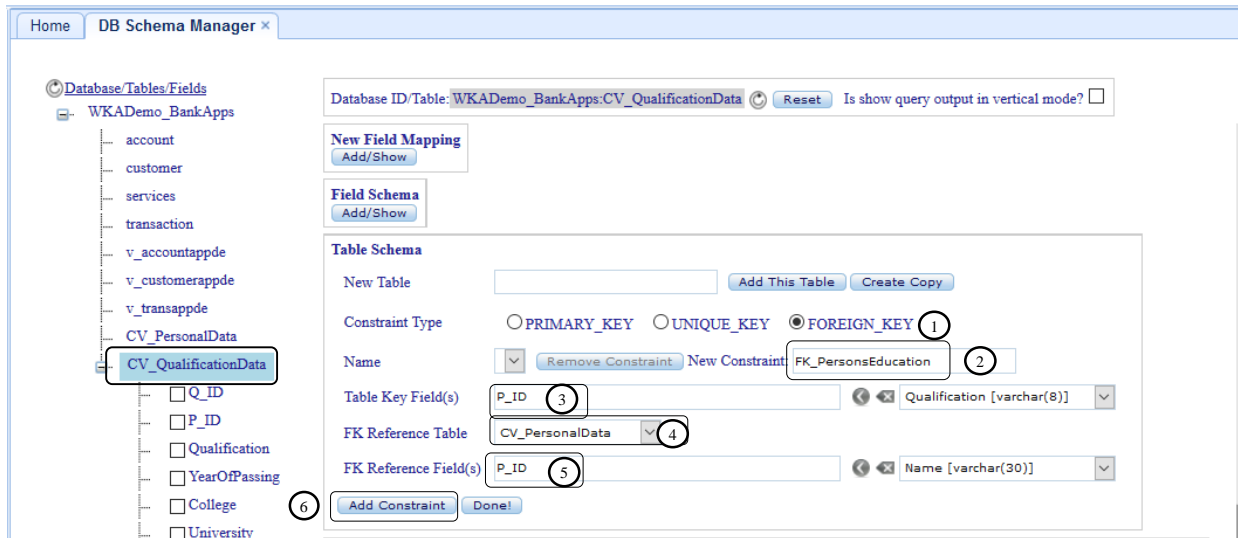
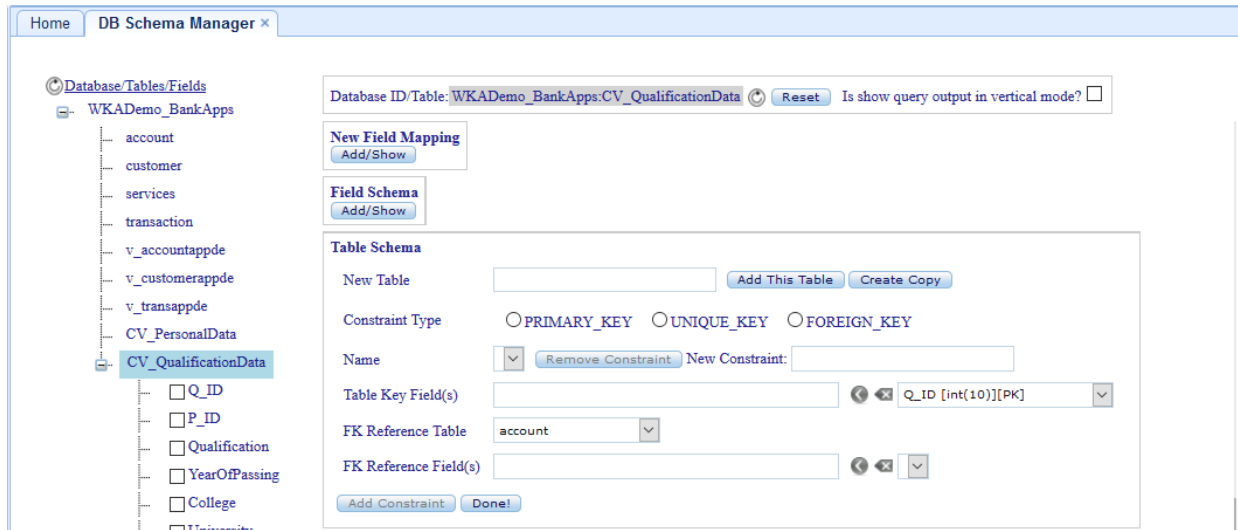
Click on execute query button.



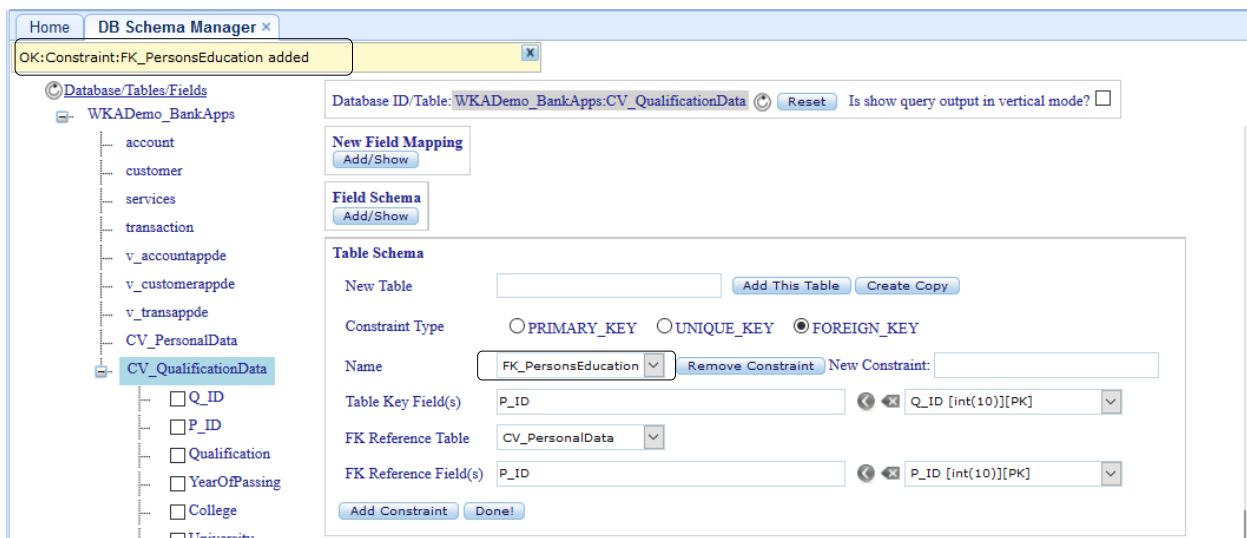
Similarly, transfer *qualificationdata* to MySQL.



P_ID (person ID) in CV_PersonalData table must be a foreign key in CV_QualificationData table. Open Table Constraints panel and select table. To set foreign key open DB Schema Manager interface. Select the table. Follow the steps 1 to 6.



Click on Add Constraint button.



2. Creating App/s

2.1 Creating master app

Open Create and Manage Apps option. Specify app name title variable group application group.

The screenshot shows the 'Manage Apps' interface with the '1.App Create Options' tab selected. The form contains the following fields and options:

- Select published App: Bank Application
- Is publish this App?:
- Database ID: WKADemo_BankApps
- Table/Worksheet: services
- Rules Table/Worksheet: [Empty]
- Prompts Table/Worksheet: [Empty]
- Menu Table/Worksheet: [Empty]
- Is MultiLingual?:
- Select Lang: English
- Lang Available: English
- App Name:Title: CVApp (1) CV Application (2)
- Generic Web Template Options: Click for options
- Matching Cases Title: [Empty]
- Application Group: CVAppGrp (3) BankAppGrp
- Variable Group: CVApp (4) BankApp
- CBR ID:Logical Group: [Empty]
- App Create Options: Click for options Uncheck All No of form entries: 1
- App Icon Image: [Empty]
- Image Preview: [Empty]

Buttons at the bottom: Just Create/Update Simple App, Load App and Variable Group, Save App, Remove App, Apps, Reload Templates.

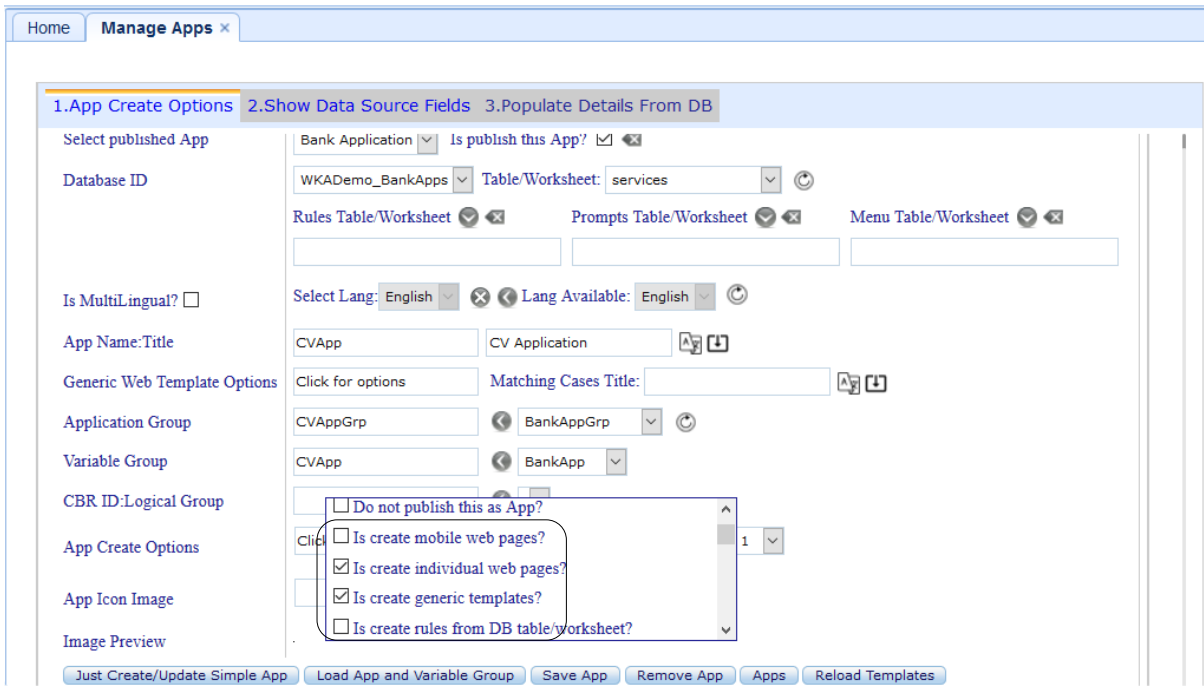
Select web template options.

The screenshot shows the 'Manage Apps' interface with the '1.App Create Options' tab selected. A modal dialog is open over the 'Generic Web Template Options' field, showing the following options:

- Restart Session?
- Continue Session?
- Show Report?
- Show Matching Cases?

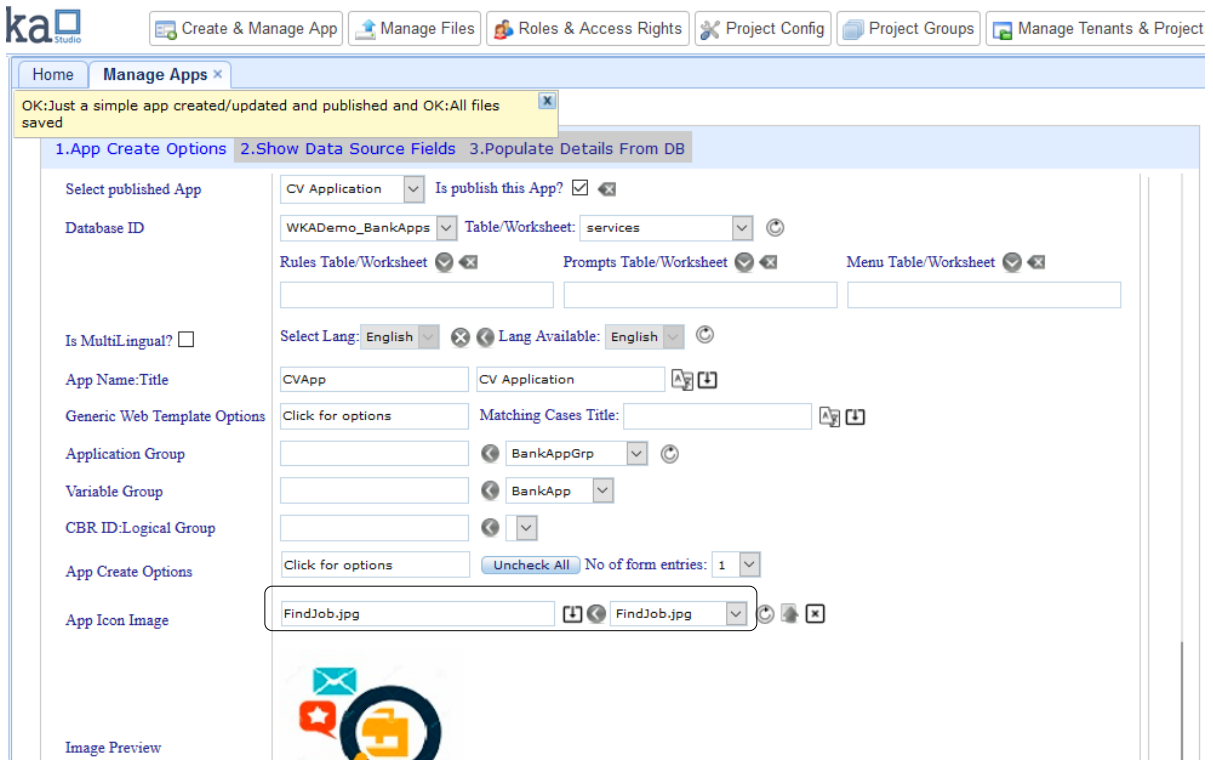
The background form is partially visible, showing the same fields as the previous screenshot.

Now select options.



Add image icon

Click *Just create/update simple app* button.



App is Created.

Similarly, create **sub app** PersonalData following the steps in given in document to create DB apps.

2.2 Creating education app

App group must be the same as of master application.

Home Apps x Global Variables x Menus & Lists x Dynamic Queries x Form Designer x Manage Apps x

1.App Create Options 2.Show Data Source Fields 3.Populate Details From DB

Select published App CV Application 1 Is publish this App? 3

Database ID 2 WKADemo_BankApps Table/Worksheet: CV_QualificationData

Rules Table/Worksheet Prompts Table/Worksheet Menu Table/Worksheet

Is MultiLingual?

Select Lang: English Lang Available: English

App Name:Title EducationData 4 Education Data 5

Generic Web Template Options Click for options Matching Cases Title:

Application Group CVAppGrp 6 CVAppGrp

Variable Group EducationInfo CVApp

CBR ID:Logical Group

App Create Options Click for options Uncheck All No of form entries: 1

App Icon Image FindJob.jpg FindJob.jpg

Select web template options.

Home Apps x Global Variables x Menus & Lists x Dynamic Queries x Form Designer x Manage Apps x

1.App Create Options 2.Show Data Source Fields 3.Populate Details From DB

Select published App CV Application Is publish this App?

Database ID WKADemo_BankApps Table/Worksheet: CV_QualificationData

Rules Table/Worksheet Prompts Table/Worksheet Menu Table/Worksheet

Is MultiLingual?

Select Lang: English Lang Available: English

App Name:Title Edu...

Generic Web Template Options Click for options Matching Cases Title:

Application Group CVA... CVApp

Variable Group Edu...

CBR ID:Logical Group

App Create Options Click for options Uncheck All No of form entries: 1

App Icon Image FindJob.jpg FindJob.jpg

- Restart Session?
- Continue Session?
- Show Report?
- Show Matching Cases?

Select app create options.

Home Apps x Global Variables x Menus & Lists x Dynamic Queries x Form Designer x **Manage Apps x**

1.App Create Options 2.Show Data Source Fields 3.Populate Details From DB

Select published App CV Application Is publish this App?

Database ID WKADemo_BankApps Table/Worksheet: CV_QualificationData

Rules Table/Worksheet Prompts Table/Worksheet Menu Table/Worksheet

Is MultiLingual? Select Lang: English Lang Available: English

App Name:Title EducationData Education Data

Generic Web Template Options Click for options Matching Cases Title:

Application Group CVAppGrp CVAppGrp

Variable Group EducationInfo CVApp

CBR ID:Logical Group

App Create Options

App Icon Image

Is sub App (within selected App)?

Do not publish this as App?

Is create mobile web pages?

Is create individual web pages?

Is create generic templates?

Home Apps x Global Variables x Menus & Lists x Dynamic Queries x Form Designer x **Manage Apps x**

1.App Create Options 2.Show Data Source Fields 3.Populate Details From DB

Select published App CV Application Is publish this App?

Database ID WKADemo_BankApps Table/Worksheet: CV_QualificationData

Rules Table/Worksheet Prompts Table/Worksheet Menu Table/Worksheet

Is MultiLingual? Select Lang: English Lang Available: English

App Name:Title EducationData Education Data

Generic Web Template Options Click for options Matching Cases Title:

Application Group CVAppGrp CVAppGrp

Variable Group EducationInfo CVApp

CBR ID:Logical Group

App Create Options

App Icon Image

Are weights 100% within logical groups?

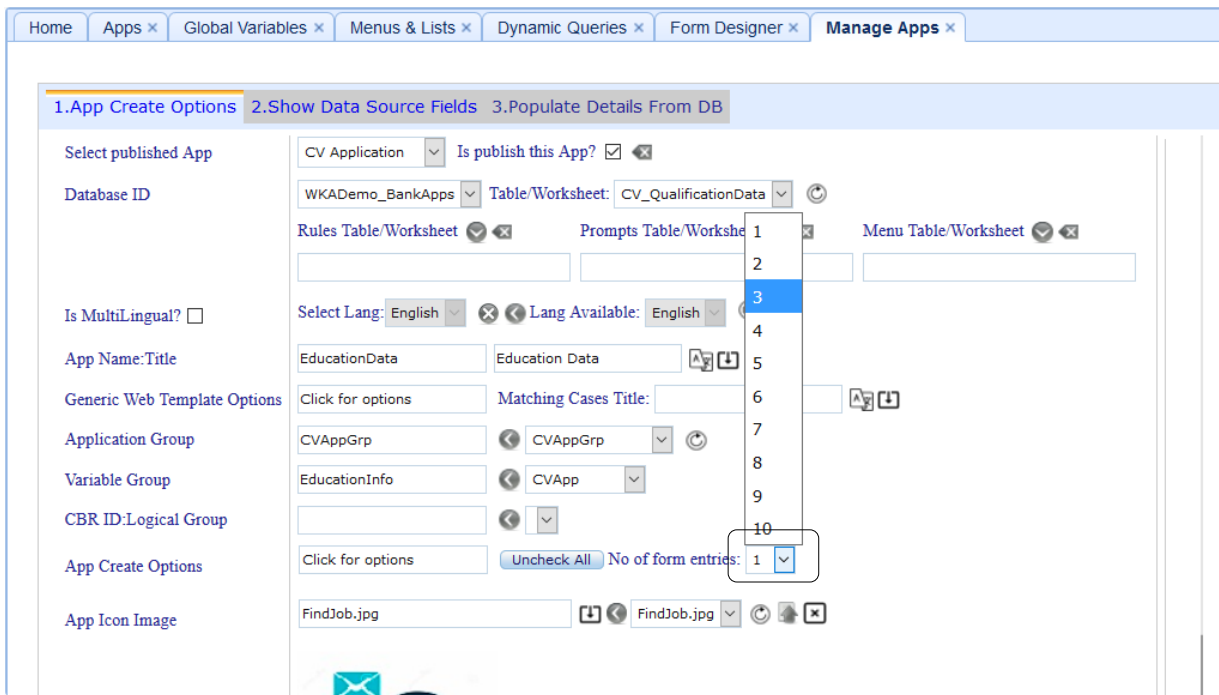
Is create form?

Is create multiple data entry form?

Is create report?

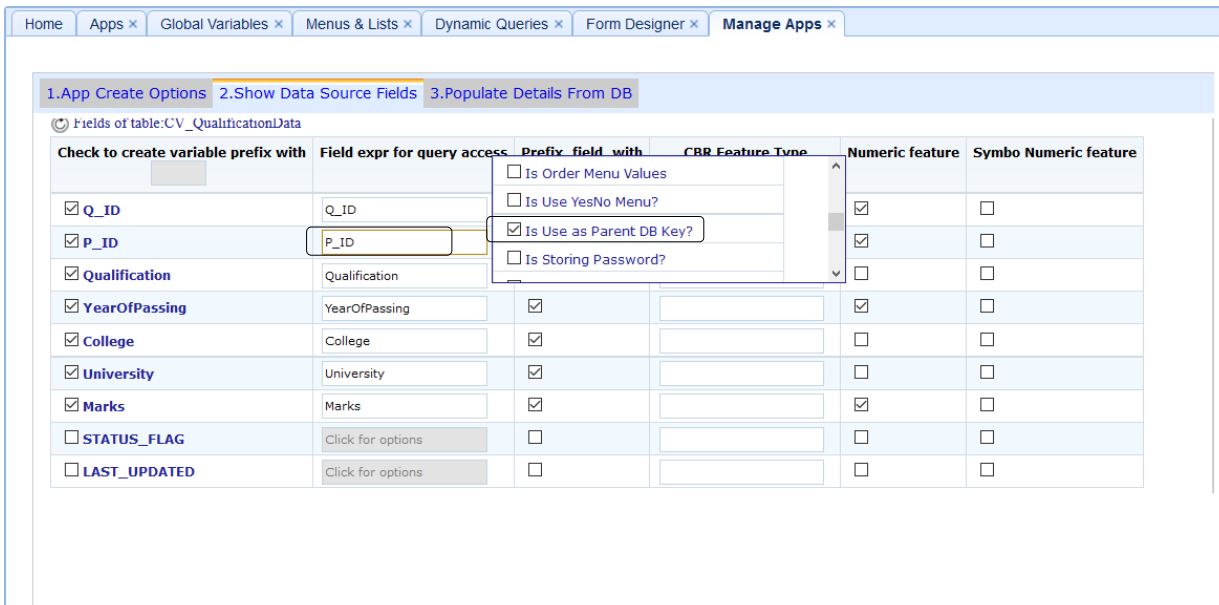
Is include DB operations?

Select how many entries (records at a time) in the form.



Click on *Show Data Source Fields* tab and click on refresh button.

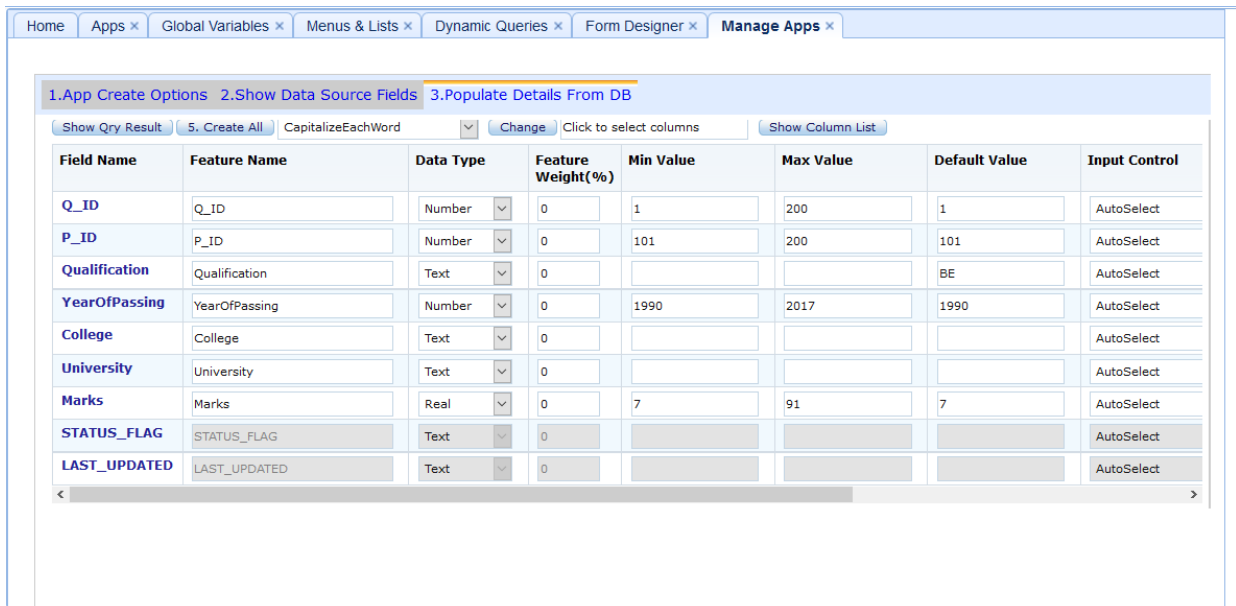
For P_ID check option *Is Use as Parent DB Key?* This is referential integrity with parent table. This must be defined.



Check and uncheck the required options.

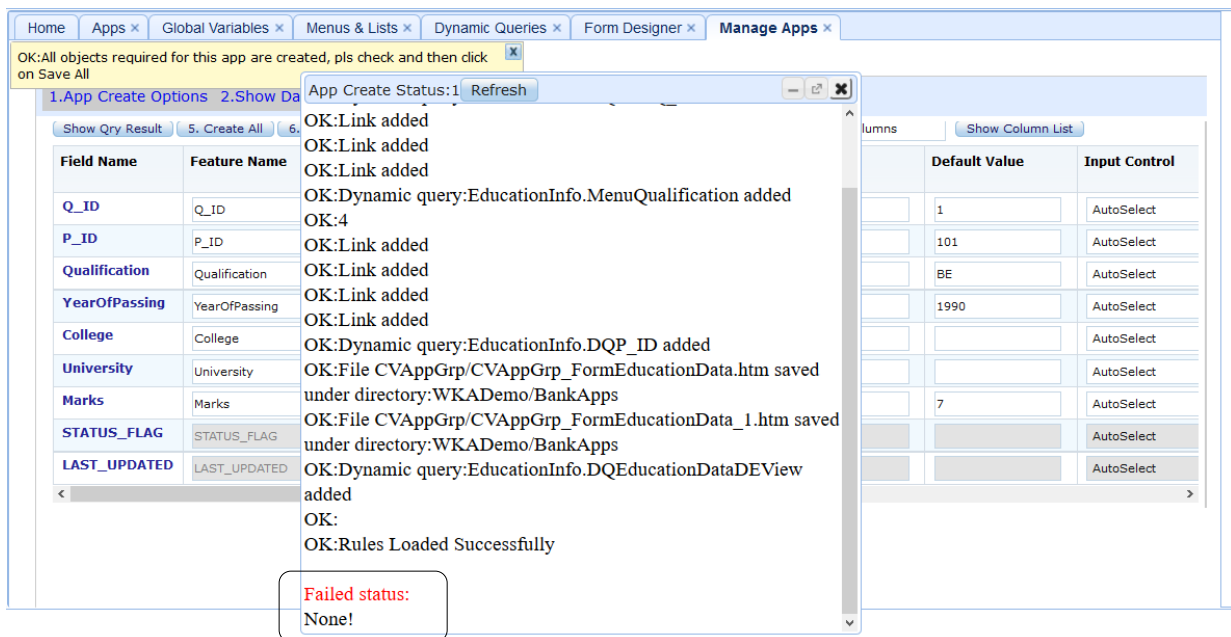
Click on *Populates Details from DB* tab.

Specify min, max values.



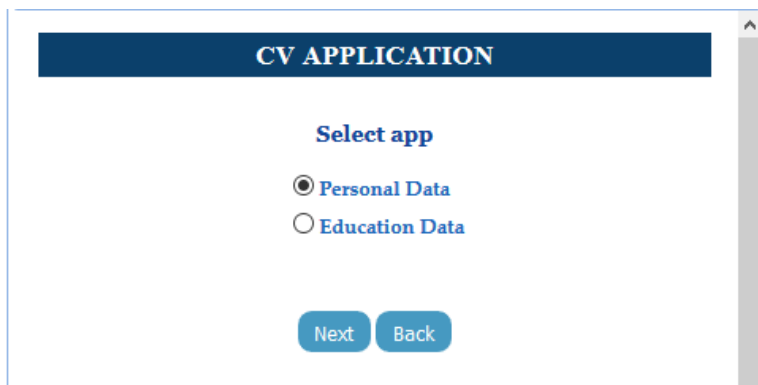
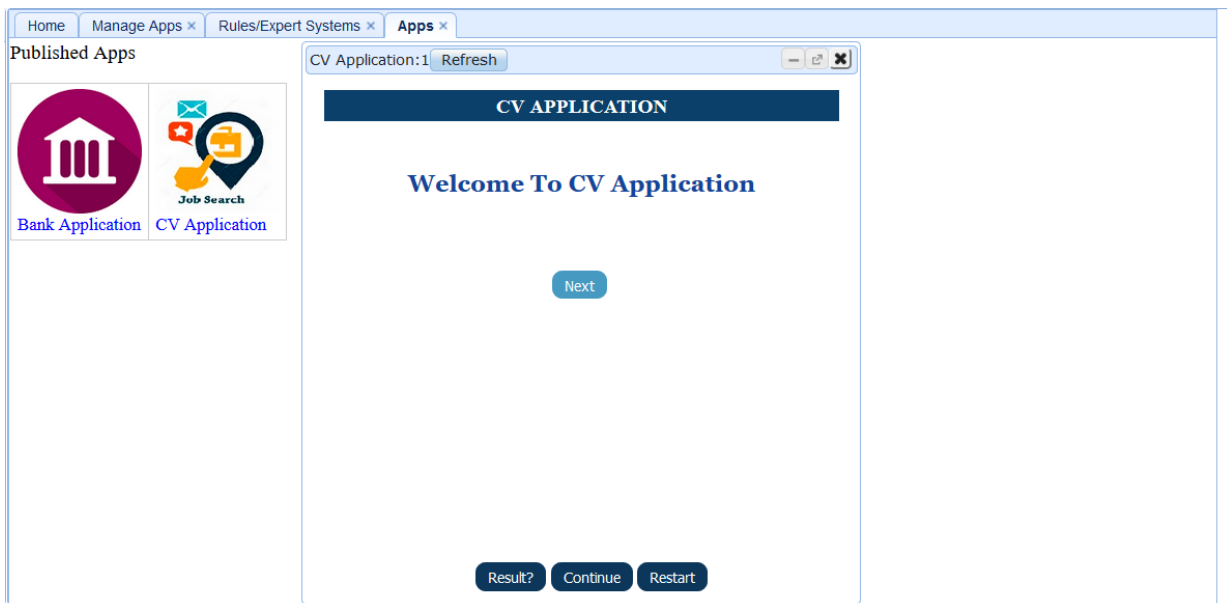
Click *Create All* button.

Click *OK* button. App creation status window will be displayed.

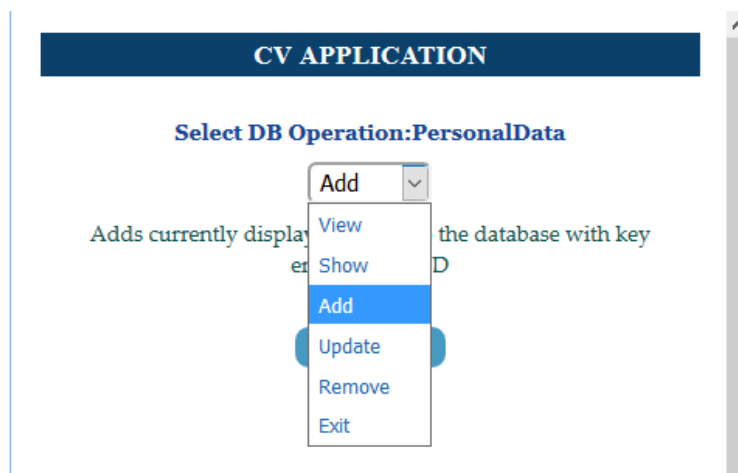


Check various objects created like variables, menus, rules, forms etc.

3. Executing the App



Select Add option.



CV APPLICATION

Enter P_ID

[Next](#) [Back](#)

CV APPLICATION

PersonalInfo Data

Enter P_ID

Enter Name

Enter Birth Date

Select Gender
 Female
 Male

Enter Address

Select City
 Mumbai
 Pune
 Nashik

Select State

Enter Total Experience

Enter Mobile No

[Result?](#) [Continue](#) [Restart](#)

CV APPLICATION

Select Gender
 Female
 Male

Enter Address

Select City
 Mumbai
 Pune
 Nashik

Select State

Enter Total Experience

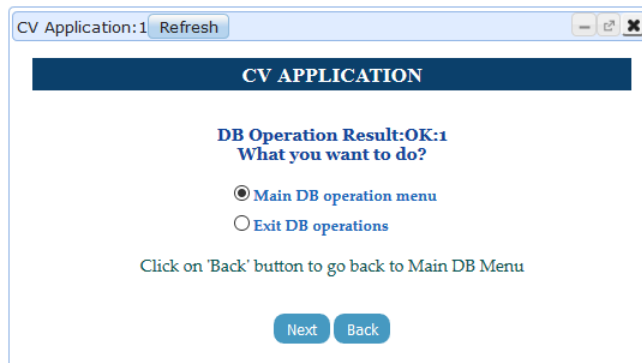
Enter Mobile No

Enter Email

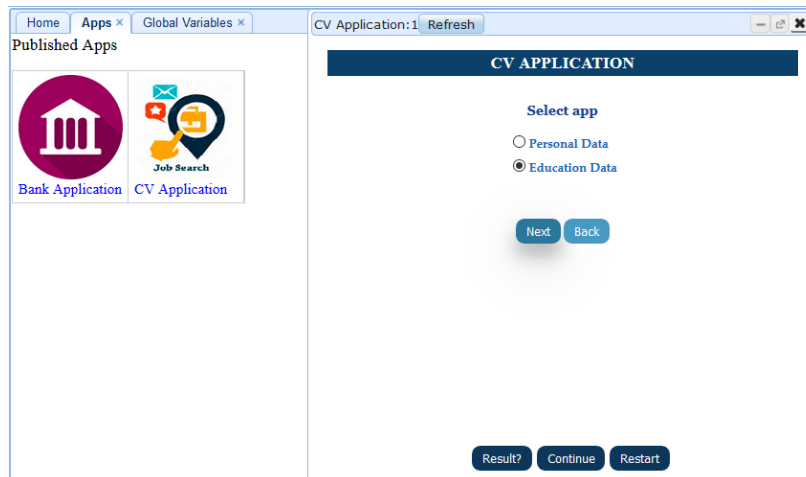
Instruction [Press 'Next' button to add current record to database](#)

[Next](#) [Back](#)

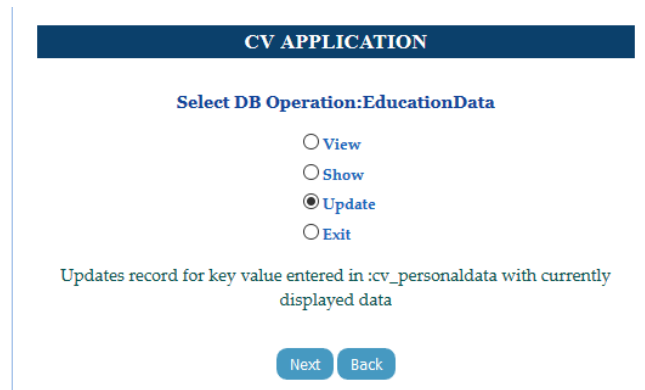
[Result?](#) [Continue](#) [Restart](#)



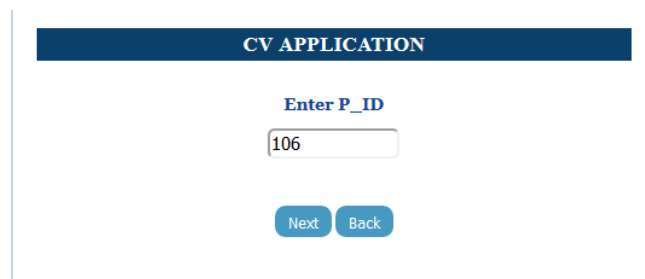
Select Education Data app.



Select Update option to add, update or remove existing data.



Enter P_ID.



It shows the multi-entry form with default values. The last column in the form is shows type of DB operations to be performed. The first, add data to DB, the second one is update data to DB and third one is remove data from DB.

Form Designer Report Designer

CV Application:1 Refresh

CV APPLICATION

EducationInfo Data

	Q_ID	Qualification	YearOfPassing	College	University	Marks	
1	1	BE	1990			0	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2	1	BE	1990			0	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
3	1	BE	1990			0	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Next Back

Result? Continue Restart

Fill the details. Click all three first checkboxes to add all three records to the database.

tion:1 Refresh

CV APPLICATION

EducationInfo Data

	Q_ID	Qualification	YearOfPassing	College	University	Marks	
1	1	BE	2013	DBIT College, Kurla	Mumbai	78.23	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2	1	HSC	2009	Loyola Jr. College, Pune	Pune	68	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
3	1	SSC	2007	Kingstone Highschool, Baner	CBSE	84.56	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Next Back

CV APPLICATION

DB Operation Result:OK:3
What you want to do?

Main DB operation menu
 Exit DB operations

Click on 'Back' button to go back to Main DB Menu

Next Back

CV APPLICATION	
ApplicationDirectory	CVAppGrp
WelcomeText	
AppList	Education Data
EducationInfo DB Operation	Update
P_ID	106
EducationInfo DB Result	OK:3
P_IDFromDB	106
P_IDInfo	Press 'Next' button to update changes made to current record to database
Q_ID	[1,1,1]
Qualification	[BE,HSC,SSC]
YearOfPassing	[2013,2009,2007]
College	[DBIT College,Kurla,Loyola Jr. College,Pune,Kingstone Highschool,Baner]
University	[Mumbai,Pune,CBSE]
Marks	[78.23,68,84,56]
EducationDataDBOperFlag	[I,I,I]

To view details

CV APPLICATION
<p>Select app</p> <p> <input type="radio"/> Personal Data <input checked="" type="radio"/> Education Data </p> <p style="text-align: center;"> <input type="button" value="Next"/> <input type="button" value="Back"/> </p>

CV APPLICATION
<p>Select DB Operation:EducationData</p> <p> <input type="radio"/> View <input type="radio"/> Show <input checked="" type="radio"/> Update <input type="radio"/> Exit </p> <p>Updates record for key value entered in :cv_personaldata with currently displayed data</p> <p style="text-align: center;"> <input type="button" value="Next"/> <input type="button" value="Back"/> </p>

CV APPLICATION

Enter P_ID

Change marks field to 75 for HSC and University for SSC is Pune.

Select Update button.

CV APPLICATION

EducationInfo Data							
	Q_ID	Qualification	YearOfPassing	College	University	Marks	+ - ×
1	<input type="text" value="23"/>	BE <input type="button" value="v"/>	<input type="text" value="2013"/>	<input type="text" value="DBIT College, kurla"/>	<input type="text" value="Mumbai"/>	<input type="text" value="78.23"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2	<input type="text" value="24"/>	HSC <input type="button" value="v"/>	<input type="text" value="2009"/>	<input type="text" value="Loyola Jr. College, Pune"/>	<input type="text" value="Pune"/>	<input type="text" value="75"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
3	<input type="text" value="25"/>	SSC <input type="button" value="v"/>	<input type="text" value="2007"/>	<input type="text" value="Kinstone Highschool, Baner"/>	<input type="text" value="Pune"/>	<input type="text" value="84.56"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>

CV APPLICATION

DB Operation Result:OK:2
What you want to do?

Main DB operation menu
 Exit DB operations

Click on 'Back' button to go back to Main DB Menu

To remove the data, select Update option.

CV APPLICATION

Select DB Operation:EducationData

View
 Show
 Update
 Exit

Updates record for key value entered in :cv_personaldata with currently displayed data

CV APPLICATION

Enter P_ID

101

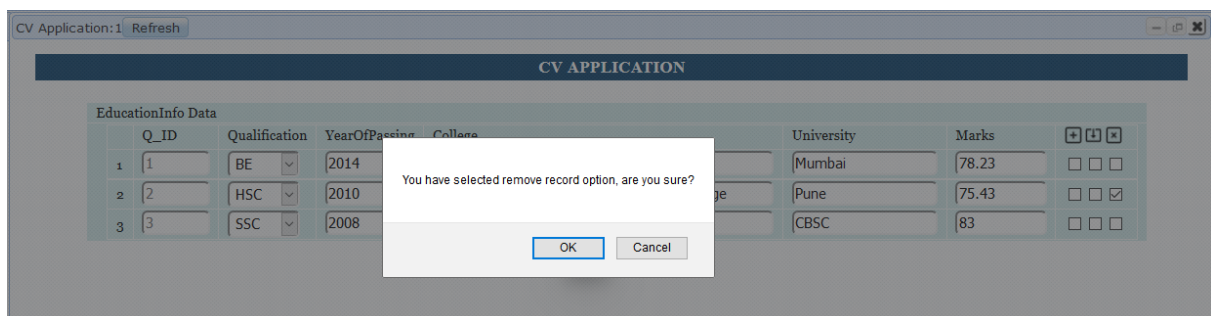
Select records to remove.

CV APPLICATION

EducationInfo Data

	Q_ID	Qualification	YearOfPassing	College	University	Marks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1	1	BE	2014	Atharva College of Engineering	Mumbai	78.23	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	2	HSC	2010	Deccan Education Society's Fergusson College	Pune	75.43	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3	3	SSC	2008	Loyola High School	CBSC	83	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Click Next.



Click on OK.

CV Application: 1 Refresh

CV APPLICATION

DB Operation Result: OK:1
What you want to do?

Main DB operation menu
 Exit DB operations

Click on 'Back' button to go back to Main DB Menu

Select Show operation.

CV APPLICATION

Select DB Operation:EducationData

View
 Show
 Update
 Exit

Fetches record/data from database and shows in report form

CV APPLICATION

Enter P_ID

CV APPLICATION

EducationInfo Info

Q_ID	Qualification	YearOfPassing	College	University	Marks
13	BTech	1999	Brahma Valley College of Engineering	Nashik	8
14	HSC	1995	Barnes School and Junior College	CBSE	80.23
15	SSC	1993	Barnes School and Junior College	CBSE	86.78

CV APPLICATION

DB Operation Result:Record Shown
What you want to do?

Main DB operation menu
 Exit DB operations

Click on 'Back' button to go back to Main DB Menu

Click *Save All* button. App is saved.

Home Manage Apps x Rules/Expert Systems x Apps x

OK:All files saved

1.App Create Options 2.Show Data Source Fields 3.Populate Details From DB

Show Qry Result 5. Create All 6. Save All 6. Remove All CapitalizeEachWord Change Click to select columns Show Column List

Field Name	Feature Name	Data Type	Feature Weight(%)	Min Value	Max Value	Default Value	Input Control
Q_ID	Q_ID	Number	0	1	200	1	AutoSelect
P_ID	P_ID	Number	0	101	200	101	AutoSelect
Qualification	Qualification	Text	0			BE	AutoSelect
YearOfPassing	YearOfPassing	Number	0	1990	2017	1990	AutoSelect
College	College	Text	0				AutoSelect
University	University	Text	0				AutoSelect
Marks	Marks	Real	0	7	91	7	AutoSelect
STATUS_FLAG	STATUS_FLAG	Text	0				AutoSelect
LAST_UPDATED	LAST_UPDATED	Text	0				AutoSelect