SOFTWARE ENGINEERING

Farmer Subsidy System

Implementation

GROUP 3.8

TEAM DETAILS

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1 Link to Code

https://github.com/RiyaTalwar/Farmer-Subsidy-System

2 Functionalities Of Website (For Not Logged In Users)

1) Sign Up

```
Console 
Website [Java Application] C:\Program Files\Java\jre1.8.0_131\bin\javaw.exe (15-Apr-2018, 9:43:03 PM)
Enter your choice:
1. Signup
2. Login
3. Subsidy Information
4. Close Website
1
Registration Form
Enter name:
Ravi
Enter Mobile no.:
91234698257
Enter a valid mobile no.!!(Should have 10 digits)
9123451682
Enter password:
ravi123
Enter gender: (M/F)
M
Enter Land Area(in hectare):
14
Enter Farmer Category: (marginal/medium/large)
marginal
Enter income:
16
Enter soil type:
black
Enter climate type:
hot
Enter state:
gujarat
Enter district:
valsad
Enter village:
valsad
No results were returned by the query.
Enter your choice:
1. Update Profile
2. Document upload
3. Check document status
```
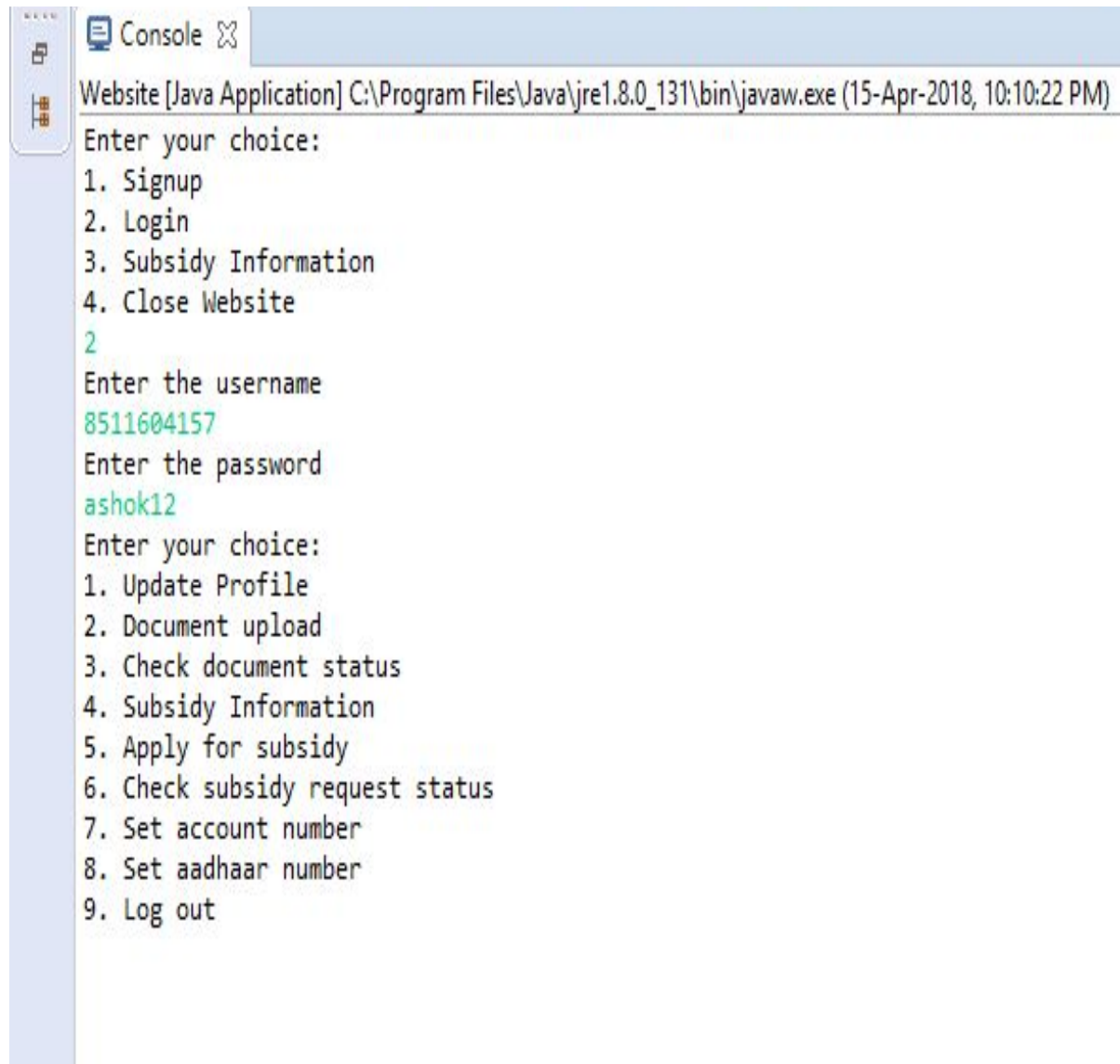
Farmer Table (before)

	f_id [PK] sm	f_name character varyi	mobile_no character varying(20)	gender charact	area numeric(	category character v	income smallint	soil character varying(10)	climate character varying(10)	state character varying(10)	district character varying(10)	village character varying(10)	pwd character varying(10)
1	1	Ramesh	1234567890	M	49.380	Small	5000	sandy loam	hot moist	Gujarat	Kutch	Vandhyay	abcde@123
2	2	Suresh	12456790321	M	34.280	Small	3000	neutral	cool	Gujarat	Sabarkanth	Himatnagar	fgde@34
3	3	Nanda	34567890123	F	65.040	Marginal	7500	fertile	cool	Gujarat	Banaskanth	Palanpur	yhte@45
4	4	Vimal	45678912340	M	89.000	Marginal	9800	sandy loam	cool	Gujarat	Dang	Ahwa	rewqa@678
5	5	Kanta	89765432108	F	77.080	Marginal	8400	black	fairly hot	Gujarat	Valsad	Valsad	uhuw@098
6	6	kisna	9391162971	F	564.000	marginal	3000	black	cool	Gujarat	valsad	valsad	trye@342
7	7	Ashok	8511604157	M	20.000	marginal	2000	black	fairly hot	gujarat	himatnagar	himatnagar	ashok12
*													

Farmer Table (after)

	f_id [PK] sm	f_name character va	mobile_no character varying	gen char	area numeric(7,3)	category character varying(10)	income smallint	soil character varying(10)	climate character varying(10)	state character varying(10)	district character varying(10)	village character varying(10)	pwd character varying(10)
1	1	Ramesh	1234567890	M	49.380	Small	5000	sandy loam	hot moist	Gujarat	Kutch	Vandhyay	abcde@123
2	2	Suresh	12456790321	M	34.280	Small	3000	neutral	cool	Gujarat	Sabarkanth	Himatnagar	fgde@34
3	3	Nanda	34567890123	F	65.040	Marginal	7500	fertile	cool	Gujarat	Banaskanth	Palanpur	yhte@45
4	4	Vimal	45678912340	M	89.000	Marginal	9800	sandy loam	cool	Gujarat	Dang	Ahwa	rewqa@678
5	5	Kanta	89765432108	F	77.080	Marginal	8400	black	fairly hot	Gujarat	Valsad	Valsad	uhuw@098
6	6	kisna	9391162971	F	564.000	marginal	3000	black	cool	Gujarat	valsad	valsad	trye@342
7	7	Ashok	8511604157	M	20.000	marginal	2000	black	fairly hot	gujarat	himatnagar	himatnagar	ashok12
8	8	Ravi	9123451682	M	14.000	marginal	16	black	hot	gujarat	valsad	valsad	ravi123

2) Log In

```
Console ✕

Website [Java Application] C:\Program Files\Java\jre1.8.0_131\bin\javaw.exe (15-Apr-2018, 10:10:22 PM)
Enter your choice:
1. Signup
2. Login
3. Subsidy Information
4. Close Website
2
Enter the username
8511604157
Enter the password
ashok12
Enter your choice:
1. Update Profile
2. Document upload
3. Check document status
4. Subsidy Information
5. Apply for subsidy
6. Check subsidy request status
7. Set account number
8. Set aadhaar number
9. Log out
```

3) Subsidy Information

```
Console ☒
Website [Java Application] C:\Program Files\Java\jre1.8.0_131\bin\javaw.exe (15-Apr-2(
Enter your choice:
1. Signup
2. Login
3. Subsidy Information
4. Close Website
3
Enter the choice of subsidy whose information you want to see:
1. Seed
2. Fertilizer
3. Irrigation
4. Machine
1
701   seeds   RKVY   sandy loam   hot moist   25%   medium
704   seeds   NHK    fertile    cool   75%   marginal
709   seeds   NHK    fertile    cool   40%   large
705   seeds   IJHY   black   fairly hot   15%   medium
Enter your choice:
1. Signup
2. Login
3. Subsidy Information
4. Close Website
|
```

4) Close Website

```
Console ☒
<terminated> Website [Java Application] C:\Program Files\Java\jre1.8.0_131\bin\javaw.exe (15-Apr-201
Enter your choice:
1. Signup
2. Login
3. Subsidy Information
4. Close Website
4
|
```

2 Functionalities Of Website (For Logged In Users)

Farmer (As Logged In User)

1. Update Profile

```
Console ☒
Website [Java Application] C:\Program Files\Java\jre1.8.0_131\bin\javaw.exe (15-Apr-2018, 10:1
Enter your choice:
1. Update Profile
2. Document upload
3. Check document status
4. Subsidy Information
5. Apply for subsidy
6. Check subsidy request status
7. Set account number
8. Set aadhaar number
9. Log out
1
Enter the field you want to update from the following menu:
1. Name
2. Password
3. Mobile no.
4. Gender
5. Area
6. Category
7. Income
8. Soil
9. Climate
10.State
11.District
12.Village
13.Submit
5
Enter Land Area(in hectare):
15
No results were returned by the query.
Enter the field you want to update from the following menu:
1. Name
2. Password
3. Mobile no.
4. Gender
5. Area
6. Category
7. Income
```

Website [Java Application] C:\Program Files\Java\jre1.8.0_1
2. Password
3. Mobile no.
4. Gender
5. Area
6. Category
7. Income
8. Soil
9. Climate
10.State
11.District
12.Village
13.Submit
13
Your updated details are
ID:7
Name:Ashok
Mobile No:8511604157
GenderM
Area:15.0
Category:marginal
Income:2000
Soil:black
Climate:fairly hot
State:gujarat
District:himatnagar
Village:himatnagar
Password:ashok12
Enter your choice:
1. Update Profile
2. Document upload
3. Check document status
4. Subsidy Information
5. Apply for subsidy
6. Check subsidy request status
7. Set account number
8. Set aadhaar number
9. Log out

Farmer Table (before)

	f_id [PK] sm	f_name character v	mobile_no character varyin	gen char	area numeric(7,3)	category character varying(10)	income smallint	soil character varying(10)	climate character varying(10)	state character varying(10)	district character varying(10)	village character varying(10)	pwd character varying(10)
1	1	Ramesh	1234567890	M	49.380	Small	5000	sandy loam	hot moist	Gujarat	Kutch	Vandhyay	abcde@123
2	2	Suresh	12456790321	M	34.280	Small	3000	neutral	cool	Gujarat	Sabarkanth	Himatnagar	fgde@34
3	3	Nanda	34567890123	F	65.040	Marginal	7500	fertile	cool	Gujarat	Banaskanth	Palanpur	yhte@45
4	4	Vimal	45678912340	M	89.000	Marginal	9800	sandy loam	cool	Gujarat	Dang	Ahwa	rewga@678
5	5	Kanta	89765432108	F	77.080	Marginal	8400	black	fairly hot	Gujarat	Valsad	Valsad	uhuw@098
6	6	kisna	9391162971	F	564.000	marginal	3000	black	cool	Gujarat	valsad	valsad	trye@342
7	7	Ashok	8511604157	M	20.000	marginal	2000	black	fairly hot	gujarat	himatnagar	himatnagar	ashok12
8	8	Ravi	9123451682	M	14.000	marginal	16	black	hot	gujarat	valsad	valsad	ravi123
*													

Farmer table (after)

	f_id [PK] sm	f_name character v	mobile_no character varyin	gen char	area numeric(7,3)	category character varying(10)	income smallint	soil character varying(10)	climate character varying(10)	state character varying(10)	district character varying(10)	village character varying(10)	pwd character varying(10)
1	1	Ramesh	1234567890	M	49.380	Small	5000	sandy loam	hot moist	Gujarat	Kutch	Vandhyay	abcde@123
2	2	Suresh	12456790321	M	34.280	Small	3000	neutral	cool	Gujarat	Sabarkanth	Himatnagar	fgde@34
3	3	Nanda	34567890123	F	65.040	Marginal	7500	fertile	cool	Gujarat	Banaskanth	Palanpur	yhte@45
4	4	Vimal	45678912340	M	89.000	Marginal	9800	sandy loam	cool	Gujarat	Dang	Ahwa	rewga@678
5	5	Kanta	89765432108	F	77.080	Marginal	8400	black	fairly hot	Gujarat	Valsad	Valsad	uhuw@098
6	6	kisna	9391162971	F	564.000	marginal	3000	black	cool	Gujarat	valsad	valsad	trye@342
7	7	Ashok	8511604157	M	15.000	marginal	2000	black	fairly hot	gujarat	himatnagar	himatnagar	ashok12
8	8	Ravi	9123451682	M	14.000	marginal	16	black	hot	gujarat	valsad	valsad	ravi123

2. Document upload

```
Console ⊠
Website [Java Application] C:\Program Files\Java\jre1.8.0_131\
J. Area
6. Category
7. Income
8. Soil
9. Climate
10.State
11.District
12.Village
13.Submit
13
Your updated details are
ID:7
Name:Ashok
Mobile No:8511604157
GenderM
Area:15.0
Category:marginal
Income:2000
Soil:black
Climate:fairly hot
State:gujarat
District:himatnagar
Village:himatnagar
Password:ashok12
Enter your choice:
1. Update Profile
2. Document upload
3. Check document status
4. Subsidy Information
5. Apply for subsidy
6. Check subsidy request status
7. Set account number
8. Set aadhaar number
9. Log out
2
Enter the type of document being uploaded
loan
Document Uploaded!!
```

Document Table (before)

	d_id [PK] smallint	type character varying(10)	status character varying(10)	fid smallint
1	401	aadhar	approved	1
2	402	income	approved	1
3	403	loan	pending	1
4	404	land	approved	1
5	405	income	approved	2
6	406	aadhar	pending	2
7	407	loan	approved	2
8	408	land	approved	2
9	409	income	approved	2
10	410	aadhar	approved	3
11	411	income	pending	3
12	412	land	approved	3
13	413	loan	pending	3
14	414	aadhar	approved	4
15	415	income	pending	4
16	416	land	approved	4
17	417	loan	pending	4
18	418	aadhar	pending	5
19	419	income	approved	5
20	420	land	approved	5
21	421	loan	pending	5

Scratch pad

Document Table (after)

	d_id [PK] smallint	type character varying(10)	status character varying(10)	fid smallint
4	404	land	approved	1
5	405	income	approved	2
6	406	aadhar	pending	2
7	407	loan	approved	2
8	408	land	approved	2
9	409	income	approved	2
10	410	aadhar	approved	3
11	411	income	pending	3
12	412	land	approved	3
13	413	loan	pending	3
14	414	aadhar	approved	4
15	415	income	pending	4
16	416	land	approved	4
17	417	loan	pending	4
18	418	aadhar	pending	5
19	419	income	approved	5
20	420	land	approved	5
21	421	loan	pending	5
22	423	land	approved	7
23	424	loan	pending	7
*				

Alerts Table (before)

	id integer	message character varying(50)	index [PK] integer
1	7	document request added : 422	1
2	5	Your document id:419has been updated	2
3	0	Your subsidy id:906has been updated	3
4	0	Your subsidy id:901has been updated	4
5	2	Your document id:407has been updated	5
6	2	New scheme added with id 712 and type hyd	6
7	2	New scheme added with id 715 and type fyee	7
8	2	New scheme added with id 716 and type cwq	8
*			

Alerts Table (after)

	id integer	message character varying(50)	index [PK] integer
1	7	document request added : 422	1
2	5	Your document id:419has been updated	2
3	0	Your subsidy id:906has been updated	3
4	0	Your subsidy id:901has been updated	4
5	2	Your document id:407has been updated	5
6	2	New scheme added with id 712 and type hyd	6
7	2	New scheme added with id 715 and type fyee	7
8	2	New scheme added with id 716 and type cwq	8
9	104	document request added : 424	9
*			

3. Check document status

```
No results were returned by the query.
Enter your choice:
1. Update Profile
2. Document upload
3. Check document status
4. Subsidy Information
5. Apply for subsidy
6. Check subsidy request status
7. Set account number
8. Set aadhaar number
9. Log out
3
Enter the document id whose status you want to know from your uploaded documents:
423
424
423
423 : approved
Enter your choice:
1. Update Profile
2. Document upload
3. Check document status
4. Subsidy Information
5. Apply for subsidy
6. Check subsidy request status
7. Set account number
8. Set aadhaar number
9. Log out
```

4. Subsidy Information

```
Console ⊠
Website [Java Application] C:\Program Files\Java\jre1.8.0_131\bin\javaw.exe (15-Apr-2018, 10:13:12 PM)
8. Set aadhaar number
9. Log out
3
Enter the document id whose status you want to know from your uploaded documents:
423
424
423
423 : approved
Enter your choice:
1. Update Profile
2. Document upload
3. Check document status
4. Subsidy Information
5. Apply for subsidy
6. Check subsidy request status
7. Set account number
8. Set aadhaar number
9. Log out
4
Enter the choice of subsidy whose information you want to see:
1. Seed
2. Fertilizer
3. Irrigation
4. Machine
2
702  Fertiliser  RKVY  sandy loam  hot moist  40%  marginal
Enter your choice:
1. Update Profile
2. Document upload
3. Check document status
4. Subsidy Information
5. Apply for subsidy
6. Check subsidy request status
7. Set account number
8. Set aadhaar number
9. Log out
```

5. Apply for subsidy

```
Console  ⊠
Website [Java Application] C:\Program Files\Java\jre1.8.0_131\bin\javaw.exe
0311004137
Enter the password
ashok12
Enter your choice:
1. Update Profile
2. Document upload
3. Check document status
4. Subsidy Information
5. Apply for subsidy
6. Check subsidy request status
7. Set account number
8. Set aadhaar number
9. Log out
5
Enter the choice of subsidy you wish to apply for:
1. Seed
2. Fertilizer
3. Irrigation
4. Machine
3
706   Irrigation   IJHY   black   fairly hot   20%   marginal
708   Irrigation   SMK   neutral   cool   75%   marginal
Suggestion for you:
706
Enter the scheme id you want to apply for
708
No results were returned by the query.
Enter your choice:
1. Update Profile
2. Document upload
3. Check document status
4. Subsidy Information
5. Apply for subsidy
6. Check subsidy request status
7. Set account number
8. Set aadhaar number
9. Log out
```

Subsidy request table (before)

	s_id [PK] smallint	fid smallint	stat character varying(10)
1	705	7	pending
2	706	7	sanctioned
3	901	3	pending
4	902	5	pending
5	903	2	pending
6	904	1	sanctioned
7	905	4	sanctioned
8	906	2	pending
9	907	2	sanctioned
10	908	1	sanctioned
11	909	5	sanctioned
12	910	4	sanctioned
13	911	3	sanctioned
14	912	4	sanctioned
15	913	5	pending
*			

Subsidy request table (after)

	s_id [PK] smallint	fid smallint	stat character varying(10)
1	706	7	sanctioned
2	708	7	pending
3	901	3	pending
4	902	5	pending
5	903	2	pending
6	904	1	sanctioned
7	905	4	sanctioned
8	906	2	pending
9	907	2	sanctioned
10	908	1	sanctioned
11	909	5	sanctioned
12	910	4	sanctioned
13	911	3	sanctioned
14	912	4	sanctioned
15	913	5	pending
*			

6. Check subsidy request status


```
3. Irrigation
4. Machine
3
706  Irrigation  IJHY  black  fairly hot  20%  marginal
708  Irrigation  SMK  neutral  cool  75%  marginal
Suggestion for you:
706
Enter the scheme id you want to apply for
708
No results were returned by the query.
Enter your choice:
1. Update Profile
2. Document upload
3. Check document status
4. Subsidy Information
5. Apply for subsidy
6. Check subsidy request status
7. Set account number
8. Set aadhaar number
9. Log out
6
Enter the subsidy application id whose status you want to know from your subsidy applications:
706
708
706
706 : sanctioned
Enter your choice:
1. Update Profile
2. Document upload
3. Check document status
4. Subsidy Information
5. Apply for subsidy
6. Check subsidy request status
7. Set account number
8. Set aadhaar number
9. Log out
```

7. Set account number


```
Enter your choice:
1. Signup
2. Login
3. Subsidy Information
4. Close Website
2
Enter the username
8511604157
Enter the password
ashok12
Enter your choice:
1. Update Profile
2. Document upload
3. Check document status
4. Subsidy Information
5. Apply for subsidy
6. Check subsidy request status
7. Set account number
8. Set aadhaar number
9. Log out
7
Enter your account no.
12345
```

8. Set aadhaar number

```
Console ☒
Website [Java Application] C:\Program Files\Java\jre1.8.0_131\bin\javaw.exe (15-Apr-2018, 11:07:49 PM)
Enter your choice:
1. Signup
2. Login
3. Subsidy Information
4. Close Website
2
Enter the username
8511604157
Enter the password
ashok12
Enter your choice:
1. Update Profile
2. Document upload
3. Check document status
4. Subsidy Information
5. Apply for subsidy
6. Check subsidy request status
7. Set account number
8. Set aadhaar number
9. Log out
8
Enter your aadhaar no.
12974671
No results were returned by the query.
Enter your choice:
1. Update Profile
2. Document upload
3. Check document status
4. Subsidy Information
5. Apply for subsidy
6. Check subsidy request status
7. Set account number
8. Set aadhaar number
9. Log out
```

9. Log out

```
Console ⊠
Website [Java Application] C:\Program Files\Java\jre1.8.0_131\bin\javaw.exe (15-Apr-2018, 10:35:16 PM)
Suggestion for you:
706
Enter the scheme id you want to apply for
708
No results were returned by the query.
Enter your choice:
1. Update Profile
2. Document upload
3. Check document status
4. Subsidy Information
5. Apply for subsidy
6. Check subsidy request status
7. Set account number
8. Set aadhaar number
9. Log out
6
Enter the subsidy application id whose status you want to know from your subsidy applications:
706
708
706
706 : sanctioned
Enter your choice:
1. Update Profile
2. Document upload
3. Check document status
4. Subsidy Information
5. Apply for subsidy
6. Check subsidy request status
7. Set account number
8. Set aadhaar number
9. Log out
9
Enter your choice:
1. Signup
2. Login
3. Subsidy Information
4. Close Website
4
```

Government (As Logged In User)

1. Verify Document

```
Console ⊠
Website [Java Application] C:\Program Files\Java\jre1.8.0_131\bin\javaw.exe (15-Apr-2018, 10:35:16 PM)
Suggestion for you:
706
Enter the scheme id you want to apply for
708
No results were returned by the query.
Enter your choice:
1. Update Profile
2. Document upload
3. Check document status
4. Subsidy Information
5. Apply for subsidy
6. Check subsidy request status
7. Set account number
8. Set aadhaar number
9. Log out
6
Enter the subsidy application id whose status you want to know from your subsidy applications:
706
708
706
706 : sanctioned
Enter your choice:
1. Update Profile
2. Document upload
3. Check document status
4. Subsidy Information
5. Apply for subsidy
6. Check subsidy request status
7. Set account number
8. Set aadhaar number
9. Log out
9
Enter your choice:
1. Signup
2. Login
3. Subsidy Information
4. Close Website
4
<
```

Documents table (before)

	d_id [PK] smallint	type character varying(10)	status character varying(10)	fid smallint
1	401	aadhar	approved	1
2	402	income	approved	1
3	403	loan	pending	1
4	404	land	approved	1
5	405	income	approved	2
6	406	aadhar	pending	2
7	407	loan	approved	2
8	408	land	approved	2
9	409	income	approved	2
10	410	aadhar	approved	3
11	411	income	pending	3
12	412	land	approved	3
13	413	loan	pending	3
14	414	aadhar	approved	4
15	415	income	pending	4
16	416	land	approved	4
17	417	loan	pending	4
18	418	aadhar	pending	5
19	419	income	approved	5
20	420	land	approved	5
21	421	loan	pending	5

Scratch pad

Documents table (after)

	d_id [PK] smallint	type character varying(10)	status character varying(10)	fid smallint
1	401	aadhar	approved	1
2	402	income	approved	1
3	403	loan	pending	1
4	404	land	approved	1
5	405	income	approved	2
6	406	aadhar	approved	2
7	407	loan	approved	2
8	408	land	approved	2
9	409	income	approved	2
10	410	aadhar	approved	3
11	411	income	pending	3
12	412	land	approved	3
13	413	loan	pending	3
14	414	aadhar	approved	4
15	415	income	pending	4
16	416	land	approved	4
17	417	loan	pending	4
18	418	aadhar	pending	5
19	419	income	approved	5
20	420	land	approved	5
21	421	loan	pending	5

Alerts Table (before)

	id integer	message character varying(50)	index [PK] integer
1	7	document request added : 422	1
2	5	Your document id:419has been updated	2
3	0	Your subsidy id:906has been updated	3
4	0	Your subsidy id:901has been updated	4
5	2	Your document id:407has been updated	5
6	2	New scheme added with id 712 and type hyd	6
7	2	New scheme added with id 715 and type fyee	7
8	2	New scheme added with id 716 and type cwq	8
9	104	document request added : 424	9
*			

Alerts Table (after)

	id integer	message character varying(50)	index [PK] integer
1	7	document request added : 422	1
2	5	Your document id:419has been updated	2
3	0	Your subsidy id:906has been updated	3
4	0	Your subsidy id:901has been updated	4
5	2	Your document id:407has been updated	5
6	2	New scheme added with id 712 and type hyd	6
7	2	New scheme added with id 715 and type fyee	7
8	2	New scheme added with id 716 and type cwq	8
9	104	document request added : 424	9
10	2	Your document id:406has been updated	10
*			

2. Update subsidy request status

```
Console ⌗
Website [Java Application] C:\Program Files\Java\jre1.8.0_131\bin\javaw.e
421
424
Enter the doc-id to verify:
406
Enter status to be updated
approved
No results were returned by the query.
Status updated!!
No results were returned by the query.
Enter your choice:
1. Verify Document
2. Update subsidy request status
3. Add subsidy scheme
4. Update subsidy scheme
5. Log out
2
List of subsidy requests:
903
902
906
901
913
708
Enter the s-id whose status you want to update:
708
Enter status to be updated
sanctioned
No results were returned by the query.
Status updated!!
No results were returned by the query.
Enter your choice:
1. Verify Document
2. Update subsidy request status
3. Add subsidy scheme
4. Update subsidy scheme
5. Log out
```

Subsidy request Table (before)

	s_id [PK] smallint	fid smallint	stat character varying(10)
1	706	7	sanctioned
2	708	7	pending
3	901	3	pending
4	902	5	pending
5	903	2	pending
6	904	1	sanctioned
7	905	4	sanctioned
8	906	2	pending
9	907	2	sanctioned
10	908	1	sanctioned
11	909	5	sanctioned
12	910	4	sanctioned
13	911	3	sanctioned
14	912	4	sanctioned
15	913	5	pending
*			

Subsidy Request table (after)

	s_id [PK] smallint	fid smallint	stat character varying(10)
1	706	7	sanctioned
2	708	7	sanctioned
3	901	3	pending
4	902	5	pending
5	903	2	pending
6	904	1	sanctioned
7	905	4	sanctioned
8	906	2	pending
9	907	2	sanctioned
10	908	1	sanctioned
11	909	5	sanctioned
12	910	4	sanctioned
13	911	3	sanctioned
14	912	4	sanctioned
15	913	5	pending
*			

Alerts table (before)

	id integer	message character varying(50)	index [PK] integer
1	7	document request added : 422	1
2	5	Your document id:419has been updated	2
3	0	Your subsidy id:906has been updated	3
4	0	Your subsidy id:901has been updated	4
5	2	Your document id:407has been updated	5
6	2	New scheme added with id 712 and type hyd	6
7	2	New scheme added with id 715 and type fyee	7
8	2	New scheme added with id 716 and type cwq	8
9	104	document request added : 424	9
10	2	Your document id:406has been updated	10
*			

Alerts table (after)

	id integer	message character varying(50)	index [PK] integer
1	7	document request added : 422	1
2	5	Your document id:419has been updated	2
3	0	Your subsidy id:906has been updated	3
4	0	Your subsidy id:901has been updated	4
5	2	Your document id:407has been updated	5
6	2	New scheme added with id 712 and type hyd	6
7	2	New scheme added with id 715 and type fyee	7
8	2	New scheme added with id 716 and type cwq	8
9	104	document request added : 424	9
10	2	Your document id:406has been updated	10
11	0	Your subsidy id:708has been updated	11
*			

3. Add subsidy scheme

```
901
913
708
Enter the s-id whose status you want to update:
708
Enter status to be updated
sanctioned
No results were returned by the query.
Status updated!!
No results were returned by the query.
Enter your choice:
1. Verify Document
2. Update subsidy request status
3. Add subsidy scheme
4. Update subsidy scheme
5. Log out
3
Enter the type of subsidy this scheme is for
seeds
Enter the name of the scheme
UVX
Enter the soil type required for the scheme
black
Enter the climate condition required for the scheme
cool
Enter the rate at which subsidy is given
24%
Enter the category of farmer applicable for this scheme
marginal
No results were returned by the query.
No results were returned by the query.
Enter your choice:
1. Verify Document
2. Update subsidy request status
3. Add subsidy scheme
4. Update subsidy scheme
5. Log out
```

Scheme table (before)

	sc_id [PK] smallint	sc_type character varying(10)	sc_name character varying(10)	soil character varying(10)	climate character varying(10)	rate character varying(10)	category character varying(10)
1	701	seeds	RKVY	sandy loam	hot moist	25%	medium
2	702	Fertiliser	RKVY	sandy loam	hot moist	40%	marginal
3	703	Machinery	NHK	fertile	cool	60%	medium
4	704	seeds	NHK	fertile	cool	75%	marginal
5	706	Irrigation	IJHY	black	fairly hot	20%	marginal
6	707	Machinery	SMK	neutral	cool	65%	medium
7	708	Irrigation	SMK	neutral	cool	75%	marginal
8	709	seeds	NHK	fertile	cool	40%	large
9	705	seeds	IJHY	black	fairly hot	15%	medium

Scheme table (after)

	sc_id [PK] smallint	sc_type character varying(10)	sc_name character varying(10)	soil character varying(10)	climate character varying(10)	rate character varying(10)	category character varying(10)
1	701	seeds	RKVY	sandy loam	hot moist	25%	medium
2	702	Fertiliser	RKVY	sandy loam	hot moist	40%	marginal
3	703	Machinery	NHK	fertile	cool	60%	medium
4	704	seeds	NHK	fertile	cool	75%	marginal
5	706	Irrigation	IJHY	black	fairly hot	20%	marginal
6	707	Machinery	SMK	neutral	cool	65%	medium
7	708	Irrigation	SMK	neutral	cool	75%	marginal
8	709	seeds	NHK	fertile	cool	40%	large
9	705	seeds	IJHY	black	fairly hot	15%	medium
10	710	seeds	UVX	black	cool	24%	marginal
*							

4. Update subsidy scheme

1) Withdrawal of scheme

```
Console ⊠
Website [Java Application] C:\Program Files\Java\jre1.8.0_131\bin\javaw.exe (
Enter the category of farmer applicable for this scheme
marginal
No results were returned by the query.
No results were returned by the query.
Enter your choice:
1. Verify Document
2. Update subsidy request status
3. Add subsidy scheme
4. Update subsidy scheme
5. Log out
4
Enter your choice:
1. Delete a scheme
2. Update a scheme
1
Scheme ids:
701
702
703
704
706
707
708
709
705
710
Enter the scheme id of the scheme you want to withdraw:
704
No results were returned by the query.
The scheme has been withdrawn successfully!
Enter your choice:
1. Verify Document
2. Update subsidy request status
3. Add subsidy scheme
4. Update subsidy scheme
5. Log out
```
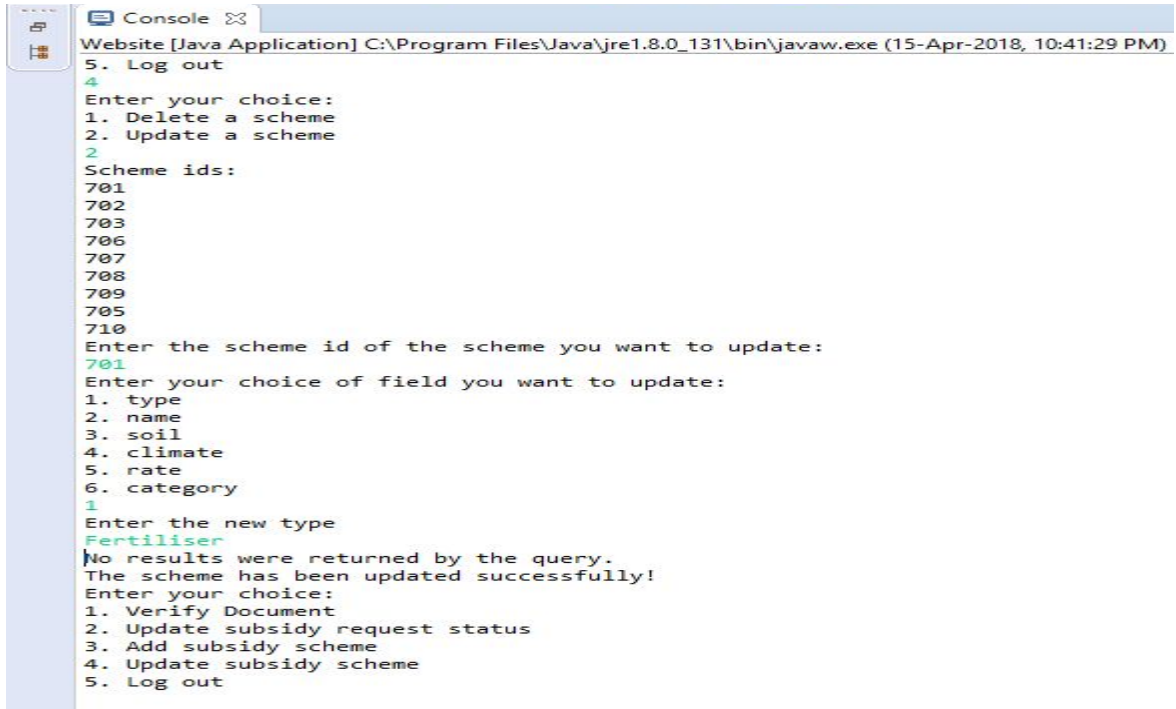
Scheme table(before)

	sc_id [PK] smallint	sc_type character varying(10)	sc_name character varying(10)	soil character varying(10)	climate character varying(10)	rate character varying(10)	category character varying(10)
1	701	seeds	RKVY	sandy loam	hot moist	25%	medium
2	702	Fertiliser	RKVY	sandy loam	hot moist	40%	marginal
3	703	Machinery	NHK	fertile	cool	60%	medium
4	704	seeds	NHK	fertile	cool	75%	marginal
5	706	Irrigation	IJHY	black	fairly hot	20%	marginal
6	707	Machinery	SMK	neutral	cool	65%	medium
7	708	Irrigation	SMK	neutral	cool	75%	marginal
8	709	seeds	NHK	fertile	cool	40%	large
9	705	seeds	IJHY	black	fairly hot	15%	medium
10	710	seeds	UVX	black	cool	24%	marginal
*							

Scheme table(after)

	sc_id [PK] smallint	sc_type character varying(10)	sc_name character varying(10)	soil character varying(10)	climate character varying(10)	rate character varying(10)	category character varying(10)
1	701	seeds	RKVY	sandy loam	hot moist	25%	medium
2	702	Fertiliser	RKVY	sandy loam	hot moist	40%	marginal
3	703	Machinery	NHK	fertile	cool	60%	medium
4	706	Irrigation	IJHY	black	fairly hot	20%	marginal
5	707	Machinery	SMK	neutral	cool	65%	medium
6	708	Irrigation	SMK	neutral	cool	75%	marginal
7	709	seeds	NHK	fertile	cool	40%	large
8	705	seeds	IJHY	black	fairly hot	15%	medium
9	710	seeds	UVX	black	cool	24%	marginal
*							

2) Update information of a scheme

```
Console ⊠
Website [Java Application] C:\Program Files\Java\jre1.8.0_131\bin\javaw.exe (15-Apr-2018, 10:41:29 PM)
5. Log out
4
Enter your choice:
1. Delete a scheme
2. Update a scheme
2
Scheme ids:
701
702
703
706
707
708
709
705
710
Enter the scheme id of the scheme you want to update:
701
Enter your choice of field you want to update:
1. type
2. name
3. soil
4. climate
5. rate
6. category
1
Enter the new type
Fertiliser
No results were returned by the query.
The scheme has been updated successfully!
Enter your choice:
1. Verify Document
2. Update subsidy request status
3. Add subsidy scheme
4. Update subsidy scheme
5. Log out
```

5. Log out

```
Console ⊠
Website [Java Application] C:\Program Files\Java\jre1.8.0_131\bin\javaw.ex
2
Scheme ids:
701
702
703
706
707
708
709
705
710
Enter the scheme id of the scheme you want to update:
701
Enter your choice of field you want to update:
1. type
2. name
3. soil
4. climate
5. rate
6. category
1
Enter the new type
Fertiliser
No results were returned by the query.
The scheme has been updated successfully!
Enter your choice:
1. Verify Document
2. Update subsidy request status
3. Add subsidy scheme
4. Update subsidy scheme
5. Log out
5
Enter your choice:
1. Signup
2. Login
3. Subsidy Information
4. Close Website
4
```

Tables in Database

❖ **Farmer**

	f_id [PK] sm	f_name character varyi	mobile_no character varying(20)	gender charact	area numeric(	category character v	income smallint	soil character varying(10)	climate character varying(10)	state character varying(10)	district character varying(10)	village character varying(10)	pwd character varying(10)
1	1	Ramesh	1234567890	M	49.380	Small	5000	sandy loam	hot moist	Gujarat	Kutch	Vandhyay	abcde@123
2	2	Suresh	12456790321	M	34.280	Small	3000	neutral	cool	Gujarat	Sabarkanth	Himatnagar	fgde@34
3	3	Nanda	34567890123	F	65.040	Marginal	7500	fertile	cool	Gujarat	Banaskanth	Palanpur	yhte@45
4	4	Vimal	45678912340	M	89.000	Marginal	9800	sandy loam	cool	Gujarat	Dang	Ahwa	rewqa@678
5	5	Kanta	89765432108	F	77.080	Marginal	8400	black	fairly hot	Gujarat	Valsad	Valsad	uhuw@098
6	6	kisna	9391162971	F	564.000	marginal	3000	black	cool	Gujarat	valsad	valsad	trye@342
7	7	Ashok	8511604157	M	20.000	marginal	2000	black	fairly hot	gujarat	himatnagar	himatnagar	ashok12
*													

❖ **Government**

	g_id [PK] smallint	username character varying(20)	pwd character varying(15)
1	101	9087615281	jack@564
2	102	9087654312	nemo@345
3	103	9765409821	dora@867
4	104	7227895188	unnul2
*			

❖ Documents

	d_id [PK] smallint	type character varying(10)	status character varying(10)	fid smallint
1	401	aadhar	approved	1
2	402	income	approved	1
3	403	loan	pending	1
4	404	land	approved	1
5	405	income	approved	2
6	406	aadhar	pending	2
7	407	loan	approved	2
8	408	land	approved	2
9	409	income	approved	2
10	410	aadhar	approved	3
11	411	income	pending	3
12	412	land	approved	3
13	413	loan	pending	3
14	414	aadhar	approved	4
15	415	income	pending	4
16	416	land	approved	4
17	417	loan	pending	4
18	418	aadhar	pending	5
19	419	income	approved	5
20	420	land	approved	5
21	421	loan	pending	5

Scratch pad

❖ Subsidy Request

	s_id [PK] smallint	fid smallint	stat character varying(10)
1	705	7	pending
2	706	7	sanctioned
3	901	3	pending
4	902	5	pending
5	903	2	pending
6	904	1	sanctioned
7	905	4	sanctioned
8	906	2	pending
9	907	2	sanctioned
10	908	1	sanctioned
11	909	5	sanctioned
12	910	4	sanctioned
13	911	3	sanctioned
14	912	4	sanctioned
15	913	5	pending
*			

❖ Scheme

	sc_id [PK] smallint	sc_type character varying(10)	sc_name character varying(10)	soil character varying(10)	climate character varying(10)	rate character varying(10)	category character varying(10)
1	701	seeds	RKVY	sandy loam	hot moist	25%	medium
2	702	Fertiliser	RKVY	sandy loam	hot moist	40%	marginal
3	703	Machinery	NHK	fertile	cool	60%	medium
4	704	seeds	NHK	fertile	cool	75%	marginal
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7	708	Irrigation	SMK	neutral	cool	75%	marginal
8	709	seeds	NHK	fertile	cool	40%	large
9	705	seeds	IJHY	black	fairly hot	15%	medium
*							

❖ Alerts

	id integer	message character varying(50)	index [PK] integer
1	7	document request added : 422	1
2	5	Your document id:419has been updated	2
3	0	Your subsidy id:906has been updated	3
4	0	Your subsidy id:901has been updated	4
5	2	Your document id:407has been updated	5
6	2	New scheme added with id 712 and type hyd	6
7	2	New scheme added with id 715 and type fyee	7
8	2	New scheme added with id 716 and type cwq	8
*			

❖ **Account**

	aadhar_no [PK] integer	account_no character varying(20)	fid integer
1	10123456	AK1298765	1
2	10223457	AK1234568	2
3	10223458	AK3541627	3
4	10223459	AK9071629	4
5	10223460	AK3217893	5
*			