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Getting e-mail address through custom People Picker

Product: PDF Share Forms Enterprise for SharePoint 2010

Contents

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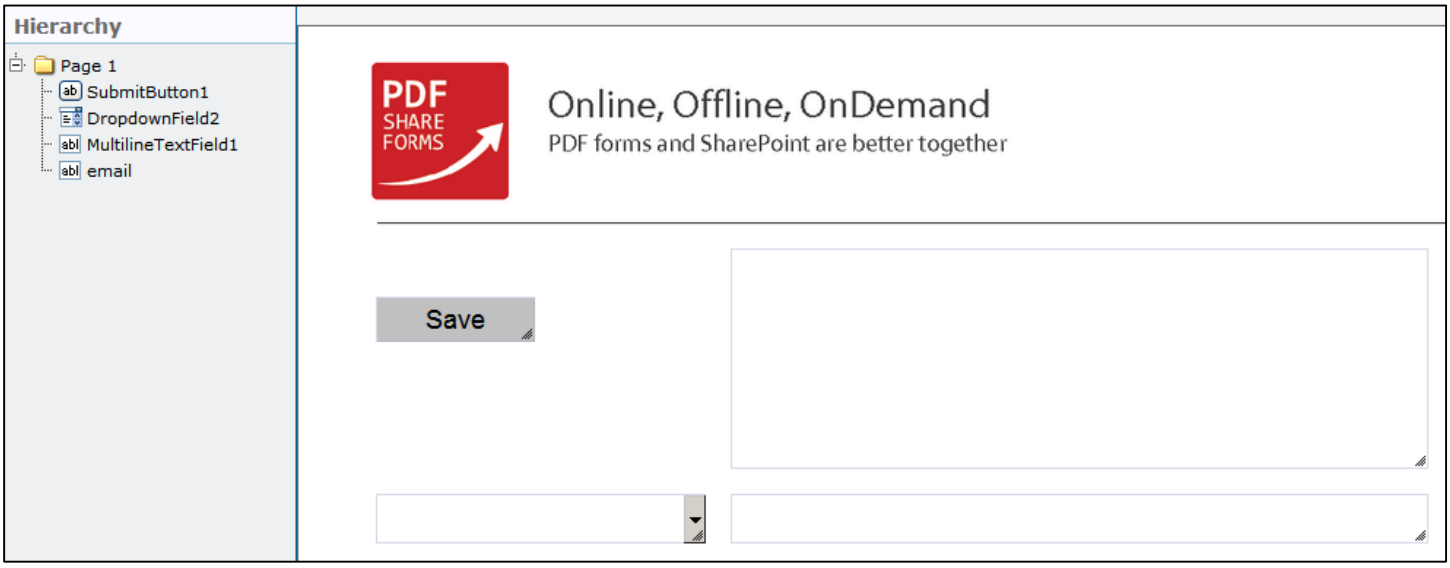
This guide shows how to create custom People Picker field and get selected user's e-mail address.

Static (Acro) form

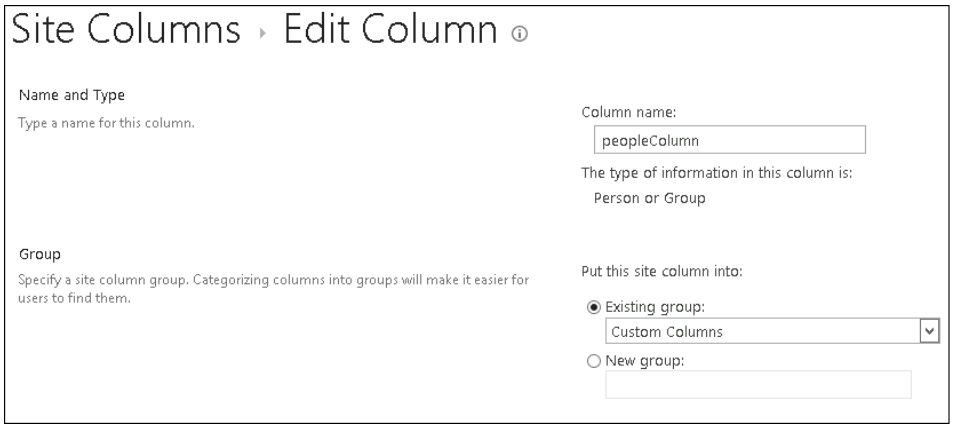
Step 1. Prepare template



This template has "**SubmitButton1**", "**DropdownField2**", which will be used as custom people picker, "**MultilineTextField1**" which will be used to store data from "**Person or Group**" column and text field "**email**" which will store e-mail address for selected user.

NOTE:

- "**MultilineTextField1**" must be set to "**hidden**"
- "**DropdownField2**" must be set to "**Allow Custom Text Entry**" in "**Properties**" tab.
- "**DropdownField2**" must be mapped on "**Person or Group**" site column – in this case it is "**peopleColumn**" column:



This column is set to display "**All Users**" from "**People Only**".

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Step 2. Add "**Execute C# script**" action under "**Run system OnLoad action**" in "**Form Load**" rules. Navigate to **PDF Form Tools → Developer → Form Load**

Script:

```
SPField peopleField = currentWeb.Fields.GetField("peopleColumn"); //column name must be specified
string fieldSettings = peopleField.SchemaXml;
//find which group must be extracted
var regex = System.Text.RegularExpressions.Regex.Match(fieldSettings,
"UserSelectionScope=\\\"(.[^\\\"]*)");
var result = regex.ToString();
regex = System.Text.RegularExpressions.Regex.Match(result, "[0-9]+");
result = regex.ToString();
List<List<string>> users = new List<List<string>>();
//extracting values
if (result != "0"){ //if was selected some particular user group
SPGroup group = currentWeb.Groups.GetByID(int.Parse(result));
foreach (SPUser user in group.Users){
List<string> userData = new List<string>();
userData.Add(user.Name);   //get user name
userData.Add(user.Email);  //get e-mail
users.Add(userData);}}
else{//if all users were selected
foreach (SPUser user in currentWeb.SiteUsers){
List<string> userData = new List<string>();
userData.Add(user.Name);
userData.Add(user.Email);
users.Add(userData);}}
//serialize data
JavaScriptSerializer serializer = new JavaScriptSerializer();
data.resolveNode("MultilineTextField1").value = serializer.Serialize(users);
```

This script loads data from SharePoint "**Person or Group**" column (in this example it is SharePoint column "**peopleColumn**") serialize it and save to "**MultilineTextField1**".

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Step 3. Add "**Global JavaScript**". Navigate to **PDF Forms Tools → Developer → Global JavaScript**

Script:

```
var temp = this.getField("DropdownField2").value;
eval("var yourdata=" +this.getField('MultilineTextField1').value+ ";");
var dd = this.getField("DropdownField2");
for(var i = 0;i< yourdata.length; i++ ){
dd.insertItemAt(yourdata[i][0],yourdata[i][0],i);
}
this.getField("DropdownField2").value = temp;
```

This script populate "**DropdownField2**" with data from "**MultilineTextField1**".

Step 4. Add script to "**DropdownField2**" blur action. Choose field and navigate to **PDF Form Tools → Properties → Actions → Blur**

Drop "**JavaScript action**" inside actions section.

Script:

```
var temp = this.getField("DropdownField2").value;
eval("var yourdata=" +this.getField('MultilineTextField1').value+ ";");
for(var i = 0;i< yourdata.length; i++ ){
if(yourdata[i][0] == this.getField("DropdownField2").value){
if(yourdata[i][1] == ""){
this.getField("email").value = "This user does not have e-mail";} // if selected user does not
have e-mail – text field will store this message
else{
this.getField("email").value = yourdata[i][1];}}}
this.getField("DropdownField2").value = temp;
```

This script compare selected dropdown value with data in **MultilineTextField1**, when similar names are found user's e-mail address is stored in "**email**" field.

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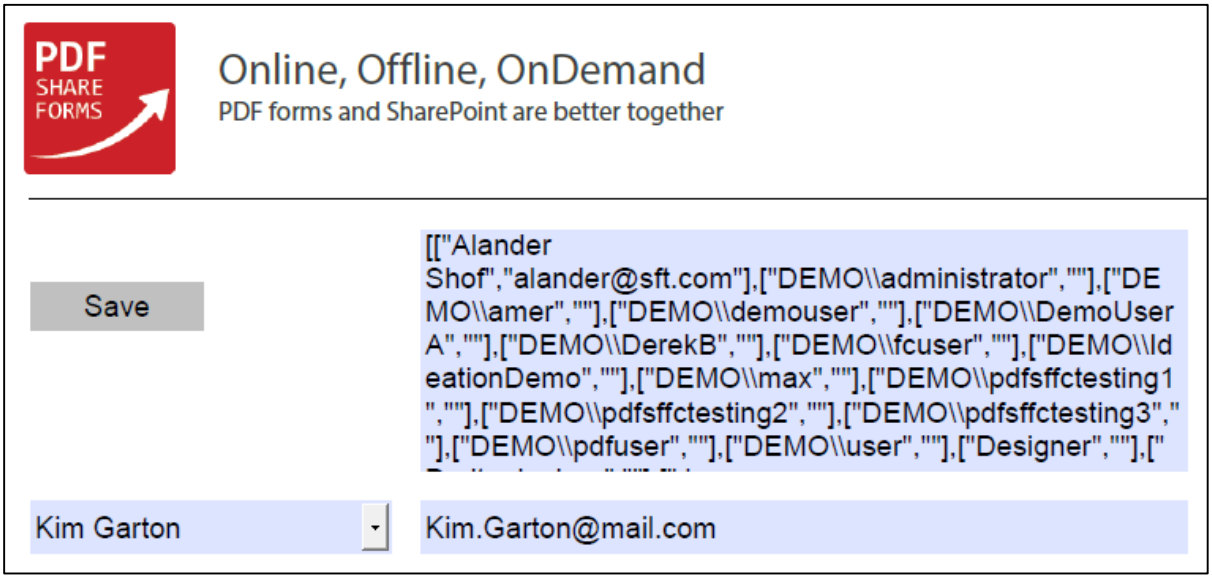
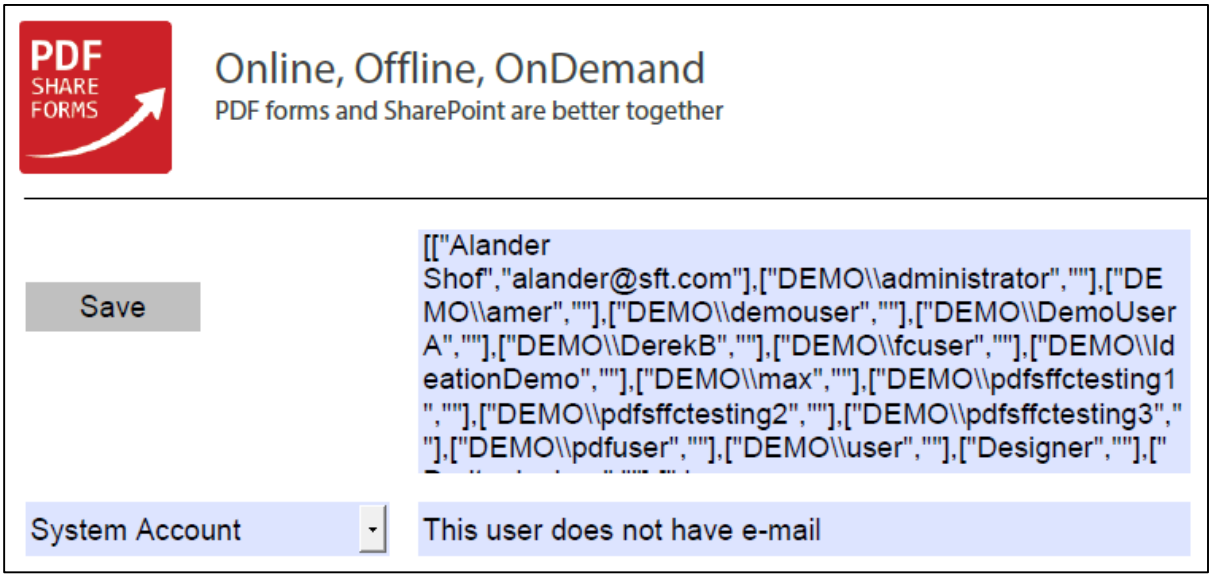
Step 5. Save and deploy template, create new form





"**DropdownField2**" has users from SharePoint column "peopleColumn".

NOTE: "**MultilineTextField2**" must be set to "**hidden**" – it is shown here only for demonstration purposes.

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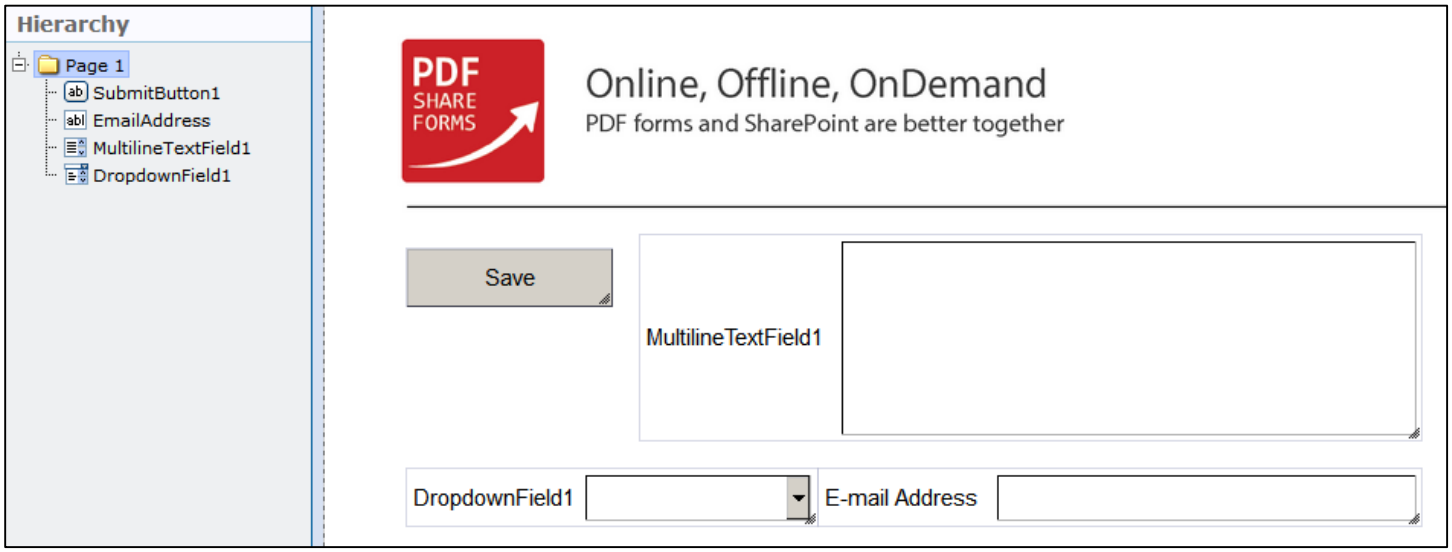
Dynamic (XFA) form

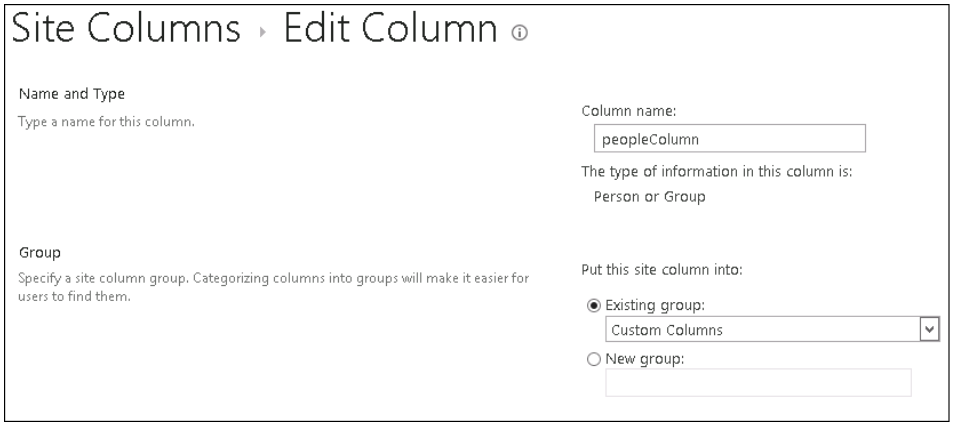
Step 1. Prepare template



This template has Submit button, MultilineTextField1 to store data from "**Person or Group**" column, DropdownField1 which will be used as custom people picker and EmailAddress (text field) which

NOTE:

- "**MultilineTextField1**" must be set to "**hidden**"
- "**DropdownField1**" must be set to "**Allow Custom Text Entry**" in "**Properties**" tab.
- "**DropdownField1**" must be mapped on "**Person or Group**" site column – in this case it is "**peopleColumn**" column:



This column is set to display "**All Users**" from "**People Only**".

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Step 2. Add "**Execute C# script**" action under "**Run system OnLoad action**" in "**Form Load**" rules. Navigate to **PDF Form Tools → Developer → Form Load**

Script:

```
SPField peopleField = currentWeb.Fields.GetField("peopleColumn"); //column name must be specified
string fieldSettings = peopleField.SchemaXml;
//find which group must be extracted
var regex = System.Text.RegularExpressions.Regex.Match(fieldSettings,
"UserSelectionScope=\\\"(.[^\\\"]*)");
var result = regex.ToString();
regex = System.Text.RegularExpressions.Regex.Match(result, "[0-9]+");
result = regex.ToString();
List<List<string>> users = new List<List<string>>();
//extracting values
if (result != "0"){ //if was selected some particular user group
SPGroup group = currentWeb.Groups.GetByID(int.Parse(result));
foreach (SPUser user in group.Users){
List<string> userData = new List<string>();
userData.Add(user.Name);   //get user name
userData.Add(user.Email);  //get e-mail
users.Add(userData);}}
else{//if all users were selected
foreach (SPUser user in currentWeb.SiteUsers){
List<string> userData = new List<string>();
userData.Add(user.Name);
userData.Add(user.Email);
users.Add(userData);}}
//serialize data
JavaScriptSerializer serializer = new JavaScriptSerializer();
data.resolveNode("MultilineTextField1").value = serializer.Serialize(users);
```

This script loads data from SharePoint "**Person or Group**" column (in this example it is SharePoint column "**peopleColumn**") serialize it and save to "**MultilineTextField1**".

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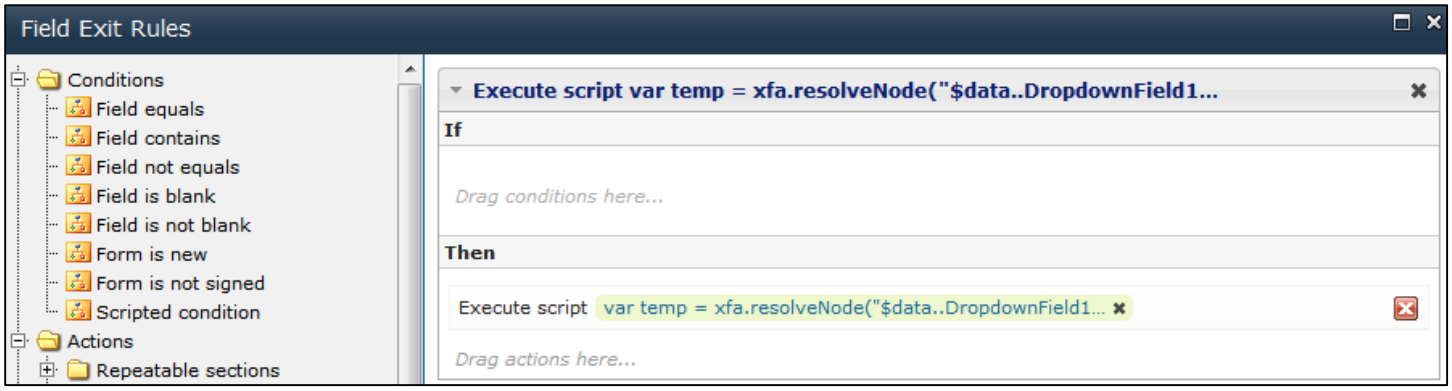
Step 3. Add "**On Form Ready Script**". Navigate to **PDF Forms Tools → Developer → On Form Ready Script**

Script:

```
var temp = xfa.resolveNode("$data..DropdownField1").value;
eval("var yourdata=" +xfa.resolveNode('$data..MultilineTextField1').value+ ";");
var dd = xfa.resolveNode("$form.Root.Default..DropdownField1");
var i = 0;
for(i = 0;i< yourdata.length; i++ ){
dd.addItem(yourdata[i][0], yourdata[i][0]);
}
xfa.resolveNode("$data..DropdownField1").value = temp;
```

This script populate "**DropdownField1**" with data from "**MultilineTextField1**".

Step 4. Add **"Execute script**" action to "**DropdownField1**" field exit action. Choose field and navigate to **PDF Form Tools → Properties → Actions → Field Exit**



Script:

```
var temp = xfa.resolveNode("$data..DropdownField1").value;
eval("var yourdata=" +xfa.resolveNode('data..MultilineTextField1').value+ ";");
var i = 0;
for(i = 0;i< yourdata.length; i++ ){
if(yourdata[i][0] == xfa.resolveNode("$data..DropdownField1").value){
if(yourdata[i][1] == ""){
xfa.resolveNode("$data..EmailAddress").value = "This user does not have e-mail";}
else{
xfa.resolveNode("$data..EmailAddress").value = yourdata[i][1];}}}
xfa.resolveNode("$data..DropdownField1").value = temp;
```

This script compare selected dropdown value with data in **MultilineTextField1**, when similar names are found user's e-mail address is stored in "**EmailAddress**" field.

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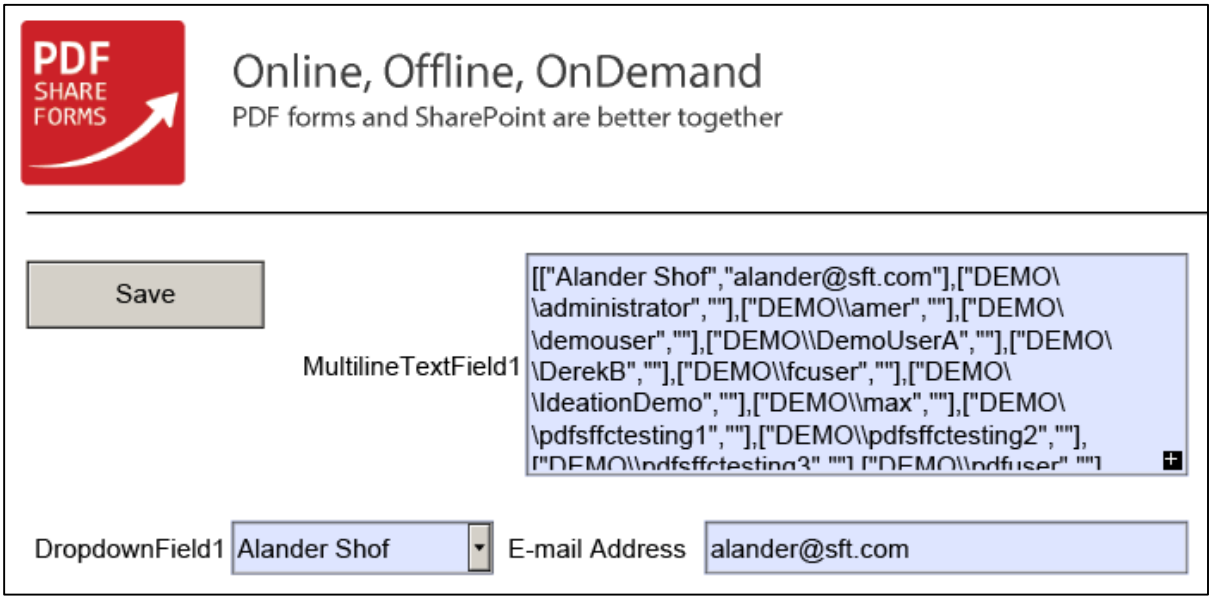
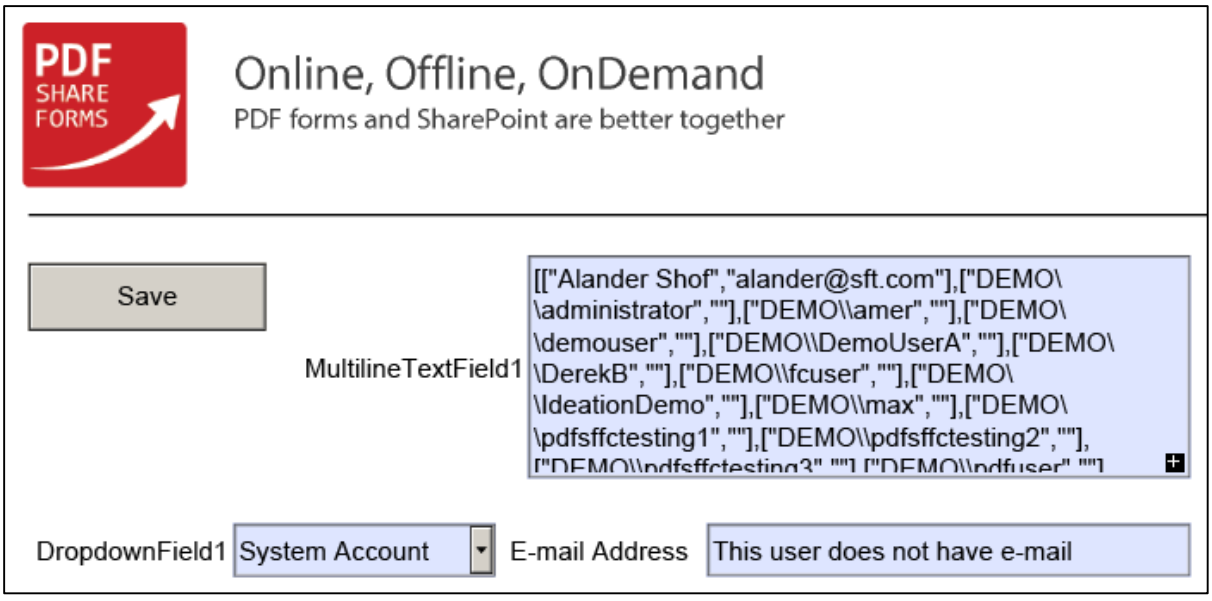
Step 5. Save and deploy template, create new form





"**DropdownField1**" has all users from SharePoint column "peopleColumn".

NOTE: "**MultilineTextField1**" must be set to "**hidden**" – it is shown here only for demonstration purposes.

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