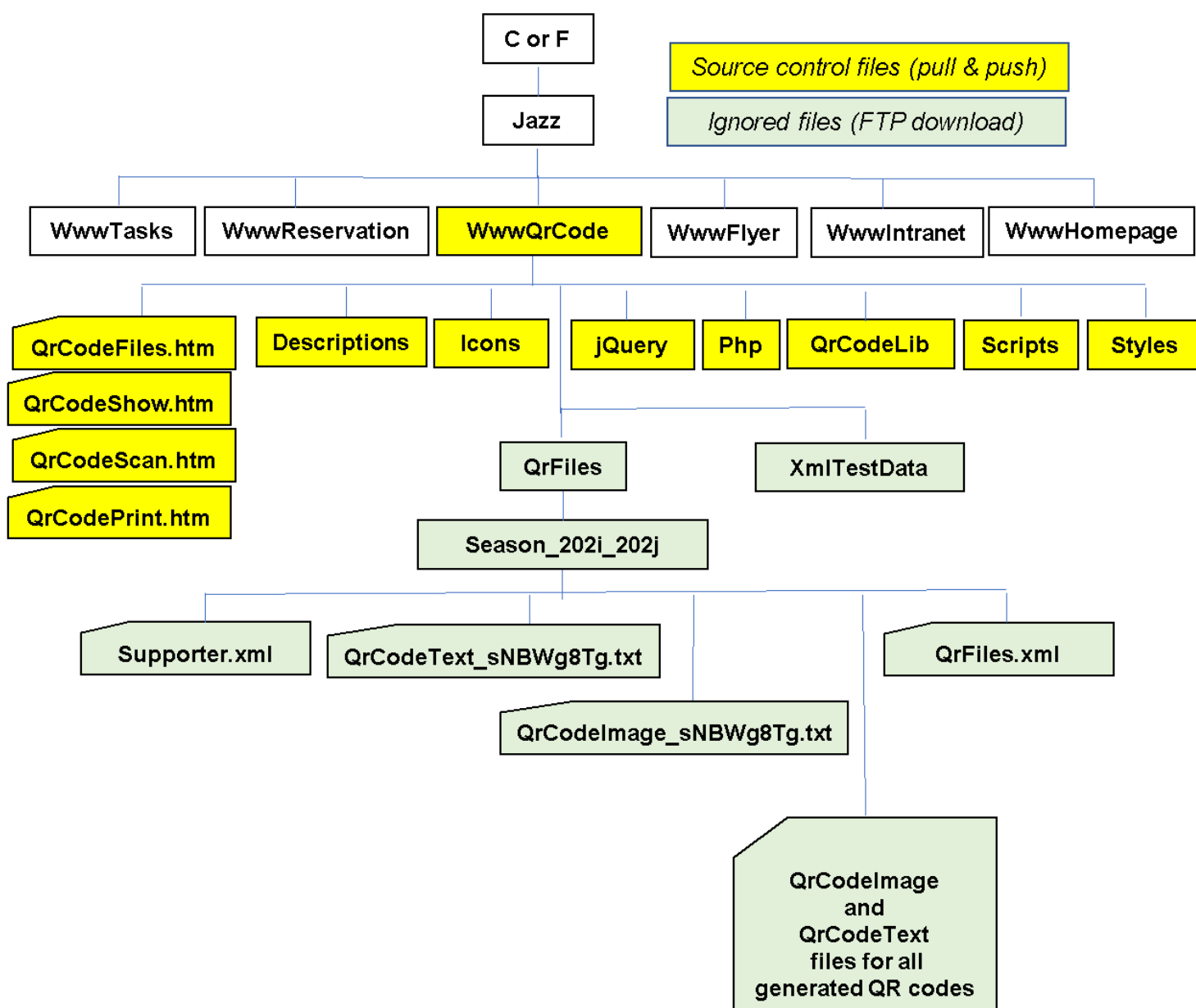


---

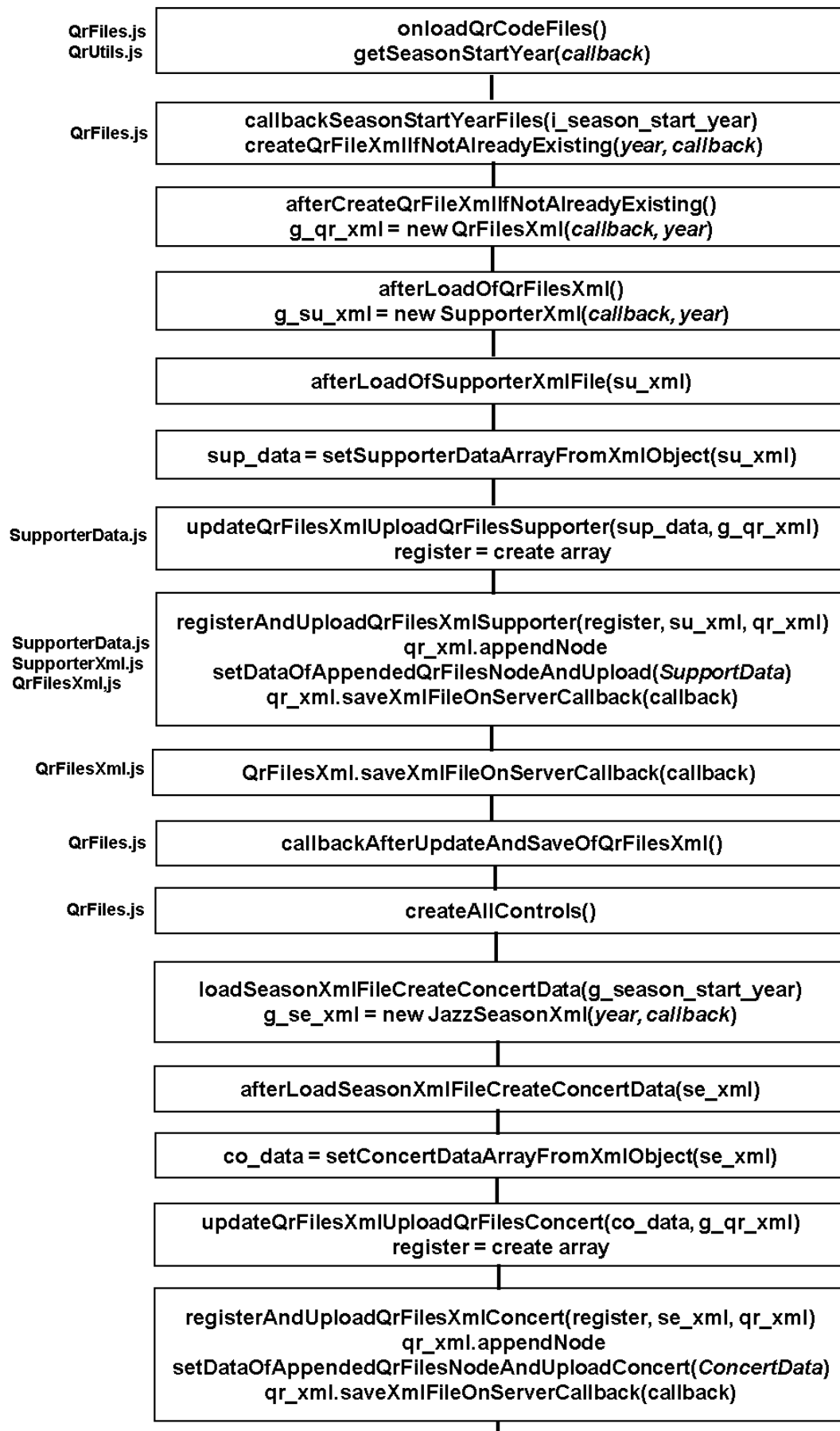
# QR Code Anzeiger, Scanner, Send and Print Implementation

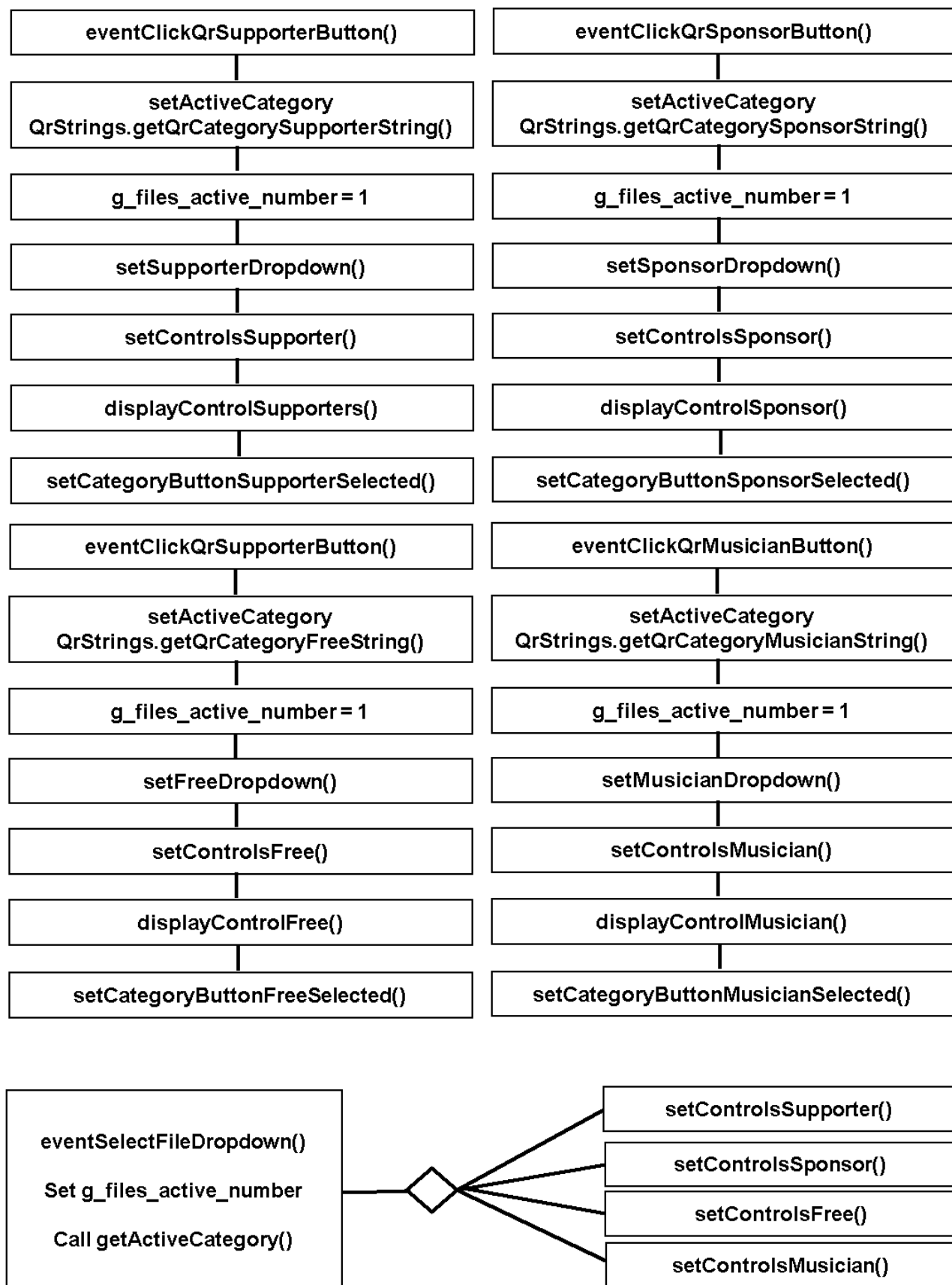
---

## Directories for WwwQrCode



## QR Code Send & Print Overview



**Overview event functions**

## **Supporter data from application Adressen to application QR Code**

### 1. Registration of the supporter contribution

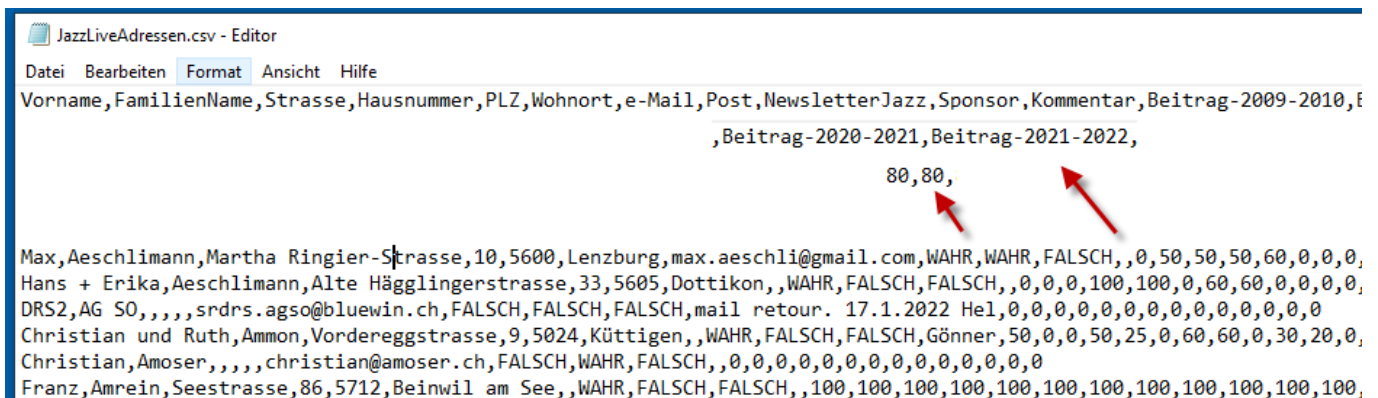
The supporter pays the "fee" and the jazz club register the amount in the Windows application Adressen

### 2. Upload of XML file to the server directory QrCode/QrFiles/Season\_202i\_202j

An XML file is created with data for all persons that have contributed to the jazz club. Not only the persons that have paid enough to become a supporter.

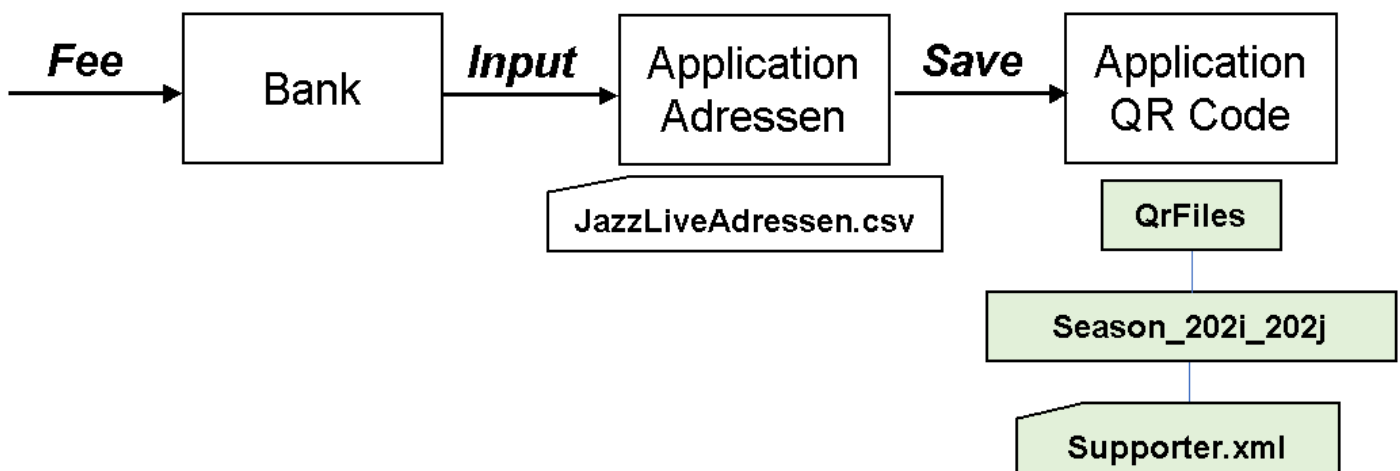
The XML file is uploaded by the checkin (save) after any change in Adressen.

To which season directory it will be uploaded is determined on the contribution field Beitrag-202i-202j of the record in the JazzLiveAdressen.csv file.



The first registered "fee" for a new season changes the upload directory, i.e. probably short before the first concert of the season.

For the first uploaded XML file Supporter.xml of a new season the application Adressen also creates the new directory on the server.



**File Supporter.xml**

```
<Supporter>
  <Vorname>Franz</Vorname>
  <FamilienName>Amrein</FamilienName>
  <Strasse>Seestrasse</Strasse>
  <Hausnummer>86</Hausnummer>
  <PLZ>5712</PLZ>
  <Wohnort>Beinwil am See</Wohnort>
  <e-Mail>NotYetSetNodeValue</e-Mail>
  <Post>WAHR</Post>
  <NewsletterJazz>FALSCH</NewsletterJazz>|
  <Sponsor>FALSCH</Sponsor>
  <Kommentar>NotYetSetNodeValue</Kommentar>
  <Beitrag-2009-2010>100</Beitrag-2009-2010>
  <Beitrag-2010-2011>100</Beitrag-2010-2011>
  <Beitrag-2011-2012>100</Beitrag-2011-2012>
  <Beitrag-2012-2013>100</Beitrag-2012-2013>
  <Beitrag-2013-2014>100</Beitrag-2013-2014>
  <Beitrag-2014-2015>100</Beitrag-2014-2015>
  <Beitrag-2015-2016>100</Beitrag-2015-2016>
  <Beitrag-2016-2017>100</Beitrag-2016-2017>
  <Beitrag-2017-2018>100</Beitrag-2017-2018>
  <Beitrag-2018-2019>100</Beitrag-2018-2019>
  <Beitrag-2019-2020>100</Beitrag-2019-2020>
  <Beitrag-2020-2021>100</Beitrag-2020-2021>
  <Beitrag-2021-2022>100</Beitrag-2021-2022>
  <Beitrag-2022-2023>0</Beitrag-2022-2023>
</Supporter>
```

## Determine the current/active season for application QR Code

This years defines the directory /www/QrCode/QrFiles/Season\_202i\_202j where the files Supporter.xml, QrFiles.xml and the text files QrCodeImage\_download-code.txt QrCodeText\_download-code.txt are.

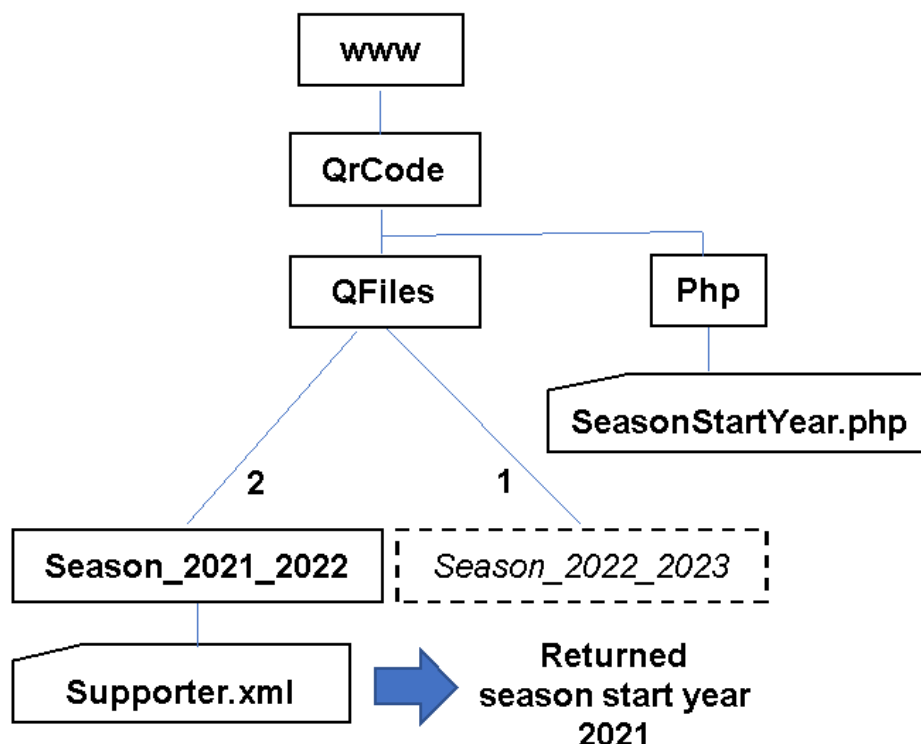
The season start year is determined by the function **getSeasonStartYear**. Input data to this function is the name of a callback function.

A callback function is necessary while the further execution (creating and uploading QR text files) must wait until the PHP function **Php/SeasonStartYear.php** has executed and returned the season start year.

The PHP function **SeasonStartYear.php** tests with first the current date year and then the previous year if there is a file **Supporter.xml** in the directory **Season\_202i\_202j**. When the file is found the season start year is returned.

```
// Returns the season start year
function getSeasonStartYear(i_callback_season_start_year)
{
    -----
    getSeasonStartYear(callbackSeasonStartYearFiles);
} // onloadQrCodeFiles

// Callback after determining season start year with a PHP function
function callbackSeasonStartYearFiles(i_season_start_year)
{
```



Load of the QR files XML file (QrFiles.xml)

//

// For each supporter (each object in array g\_supporter\_data\_array) an image file

// with the QR code and a text file with the text of the QR be created in the

// directory QrCode/QrFiles/Season\_20NN\_20MM.

// The file QrFiles.xml (in the same folder) registers the names of all files that

// have been created. Not the full name though. Only the 'download code' that

// the supporter become so that the QR code can be downloaded. The 'download code'

// defines the file name.

// The constructor function of class QrFilesXml loads the QR files XML file, i.e.

// downloads the file and create an XML object corresponding to the XML file.

// The function callbackSeasonStartYearFiles creates the QrFilesXml object

//

// 5. Load of the supporter XML file (Supporter.xml)

//

// The constructor function for class SupporterXml loads the file Supporter.xml.

// The function afterLoadOfQrFilesXml creates the XML object, and the (callback)

// function afterLoadOfSupporterXmlFile is called when the object is created

//

// 6. Creation of an array SupporterData objects (g\_supporter\_data\_array)

//

// There is a class SupporterData that hold information about a supporter.

// Objects in the array g\_supporter\_data\_array are only for persons that paid

// QrStrings.getSupporterContributionLimitValue() or more.

// Function setSupporterDataArrayFromXmlObject creates g\_supporter\_data\_array.

// This function called by afterLoadOfSupporterXmlFile

//

// 7. Upload and register QR code files for new supporters



**QR Code Show (Anzeiger)**

**QR Code Scanner**

**QR Code Print Batch**

## Supporter in der Adressen-Datenbank

Jemand ist Supporter, d.h. kommt auf der Supporter-Liste, wenn den der finanzieller Beitrag (Betrag) grösser als null (0) ist.

Eine Supporter-Karte kriegt der Beitragsträger wenn der Betrag 60 Franken oder mehr ist.

In der Datenbank gibt Datensätze (Records) für Zwei Personen. Einige mit einem Beitrag für eine Person und einige für zwei Personen.

Ex-Vorstandsmitglieder müssen Eintritt nicht zahlen, aber ein paar unterstützen uns und sind auf der Supporter-Liste. Ich nehme an, sie kriegen keine Supporter-Karte.

Telefonnummer ist nicht registriert in der Adressen-Datenbank. ([Du Hanni hast eine Idee mit Natel-Nummer](#))

Die XML Datei, die an den QR Code Webseiten exportiert wird, enthält Beitrag Daten für alle Seasons. Nicht nur für die aktuelle Saison. Die Liste wird aber exportiert zum aktuellen Saison Ordner. Zum Beispiel /www/QrCode/QrFiles/Season\_2021\_2022.

In der Adressen Applikation kann die exportierte Datei angeschaut werden: Output 'Supporter.xml' wählen.

Vorname	FamilienName	Strasse	Hausn	PLZ	Wohnort	2 Personen eine Karte	2021-2022
Hans Bodmer	& Eva Müller	Wiesenweg	6	5706	Boniswil AG		60
Franz	Amrein	Seestrasse	86	5712	Beinwil am See		100
Duk Won	Barthelmess-Lee	Ziegelrain	4	5000	Aarau		60
Madlen	Bärtschi	Reservoirweg	7	5012	Schönenwerd		60
Edith	Bauer	Neuenburgerstr...	4	5004	Aarau		60
Elisabeth	Böss	Buchweg	1	5018	Erlinsbach		80
Andres	Brändli	Laurenzenvorstadt	101	5000	Aarau		100
Hans	Byland	Bachstrasse	74	5034	Suhr		60
Michel	Emmenegger	Stichweg	17	5024	Küttigen	Keine Supporter Karte	60
Annette	Farnhammer	Rauchensteinst...	9A	5000	Aarau		25
Erich	Fischer	Pestalozzistr.	50	5000	Aarau		100
Christian	Fritschi	Hans Hässig-St...	15	5000	Aarau		100
Johannes	Säuberli	Sonneggstr.	55	8006	Zürich	Ex Vorstand	1000
Daniel	Säuberli	Südallee	11	5000	Aarau		100
Jutta	Schai	Finkenweg	10	5726	Unterkulm		60
Dora	Scheidegger	Halden	8	5000	Aarau		200
Christian	Scherer	Signalstrasse	22	5000	Aarau		100
Peter u. Lynda	Schibli - Lodge	Delfterstrasse	38	5004	Aarau		120
Hansruedi und ...	Schwamberger	Rütiweg	3	5726	Unterkulm		120
Arthur	Sprecher	Wolfgrubenstrasse	20A	5742	Köllikon	Zwei Karten	60

## **Ideas**

### ***Local file in the computer***

Names of persons should not be in Internet (on the server).

Would it be possible to generate QR codes from a local file?

Some links reading files with JavaScript

<https://stackoverflow.com/questions/41155325/how-to-read-a-text-file-saved-on-my-computer-using-javascript>

<https://ourcodeworld.com/articles/read/191/how-to-read-a-computer-file-using-javascript-in-the-browser>

<https://www.html5rocks.com/de/tutorials/file/dndfiles/>

<https://web.dev/read-files/>

### ***Supporter.xml and QrCodeFiles.xml in FTP directory***

It would be safer with a password directory. The file QrCodeFiles.xml could be downloaded to the computer and smartphone for QR Send & Print and for QR Scan.

Make a test project and create a class handling FTP.

<https://www.codegrepper.com/code-examples/whatever/how+to+get+files+from+ftp>

<https://www.npmjs.com/package/basic-ftp>

<https://www.html5rocks.com/en/tutorials/file/dndfiles/>

<https://gist.github.com/josemariagarcia95/250acdc8171c0e7b3d92d73cf361fd00>

<https://developer.mozilla.org/en-US/docs/Web/API/XMLHttpRequest>

<https://www.php.net/manual/de/function.ftp-put.php>

<https://stackoverflow.com/questions/9572314/uploading-files-with-sftp>

### ***Utility class QR code text to display text***

Category\_NameOfPerson\_SeasonDateTime\_DownloadCode\_CheckCode\_ColorCode