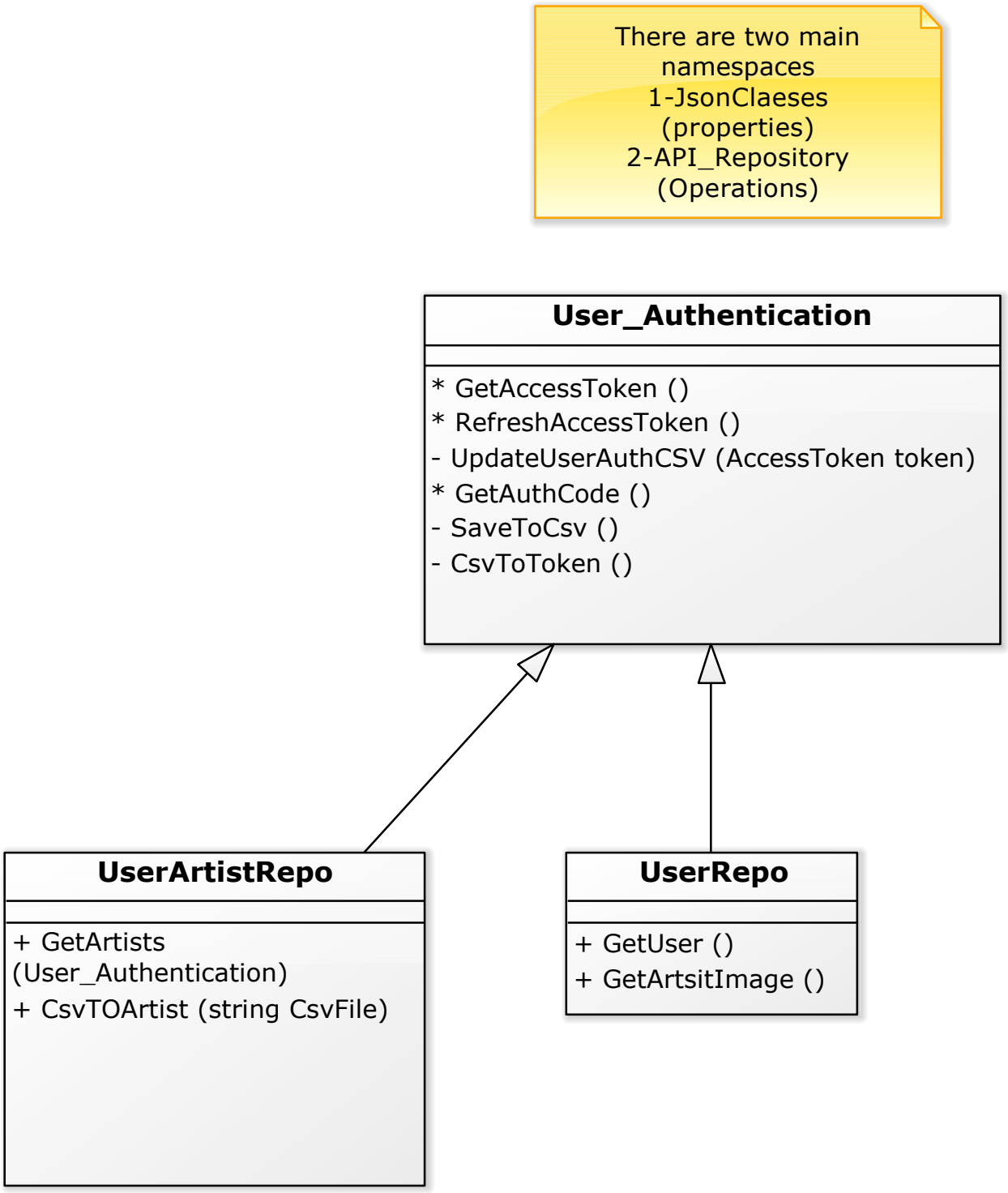
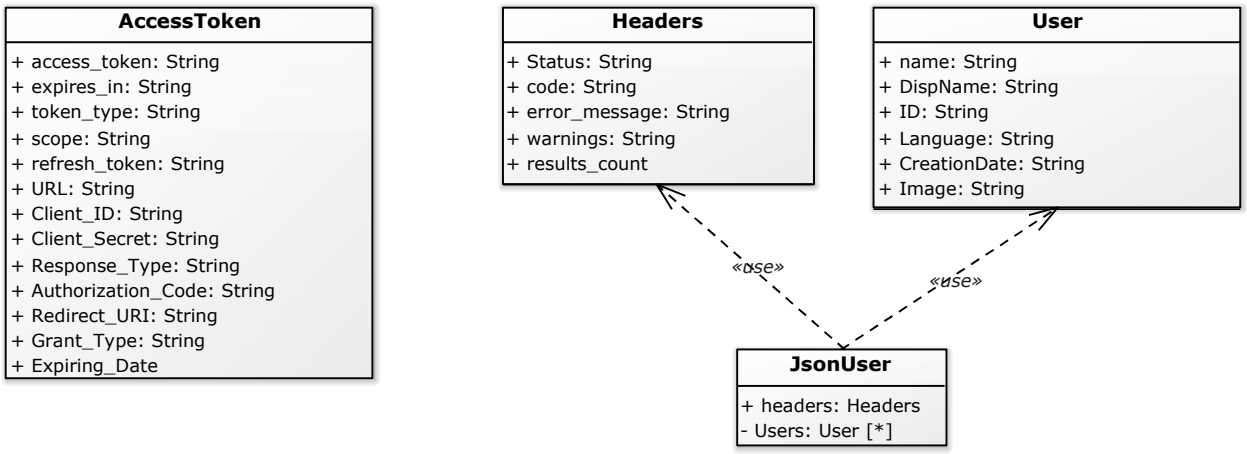
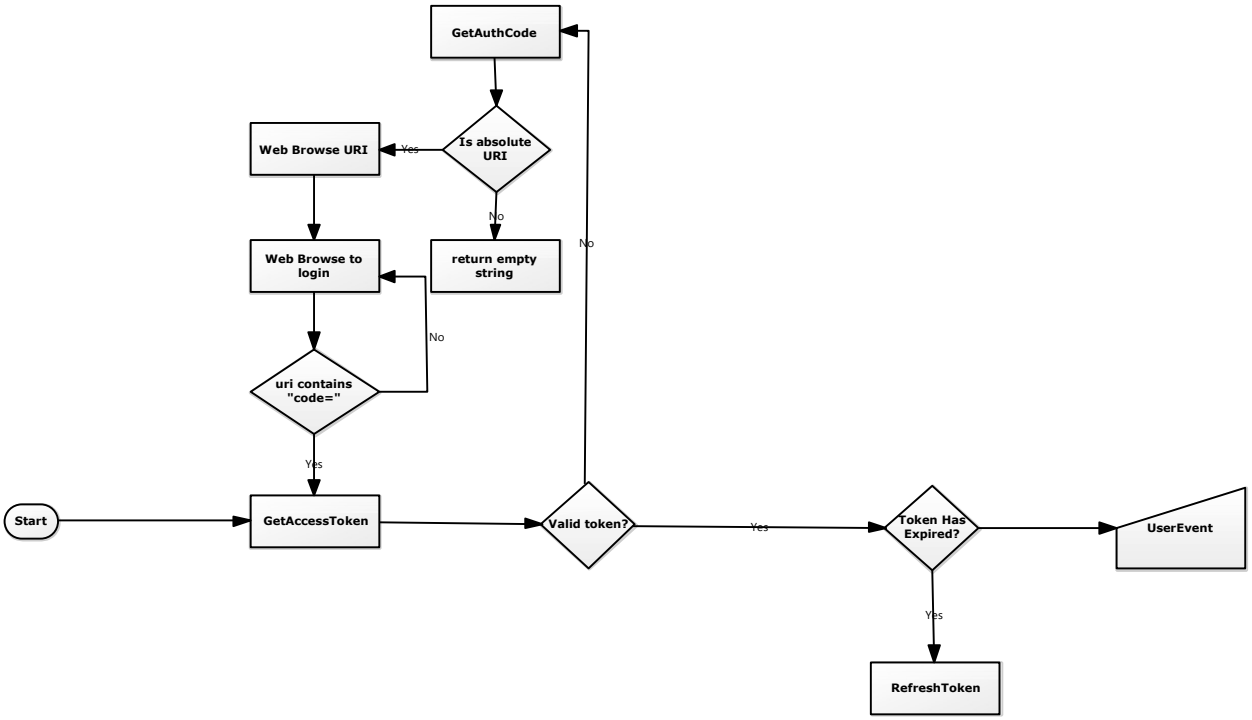
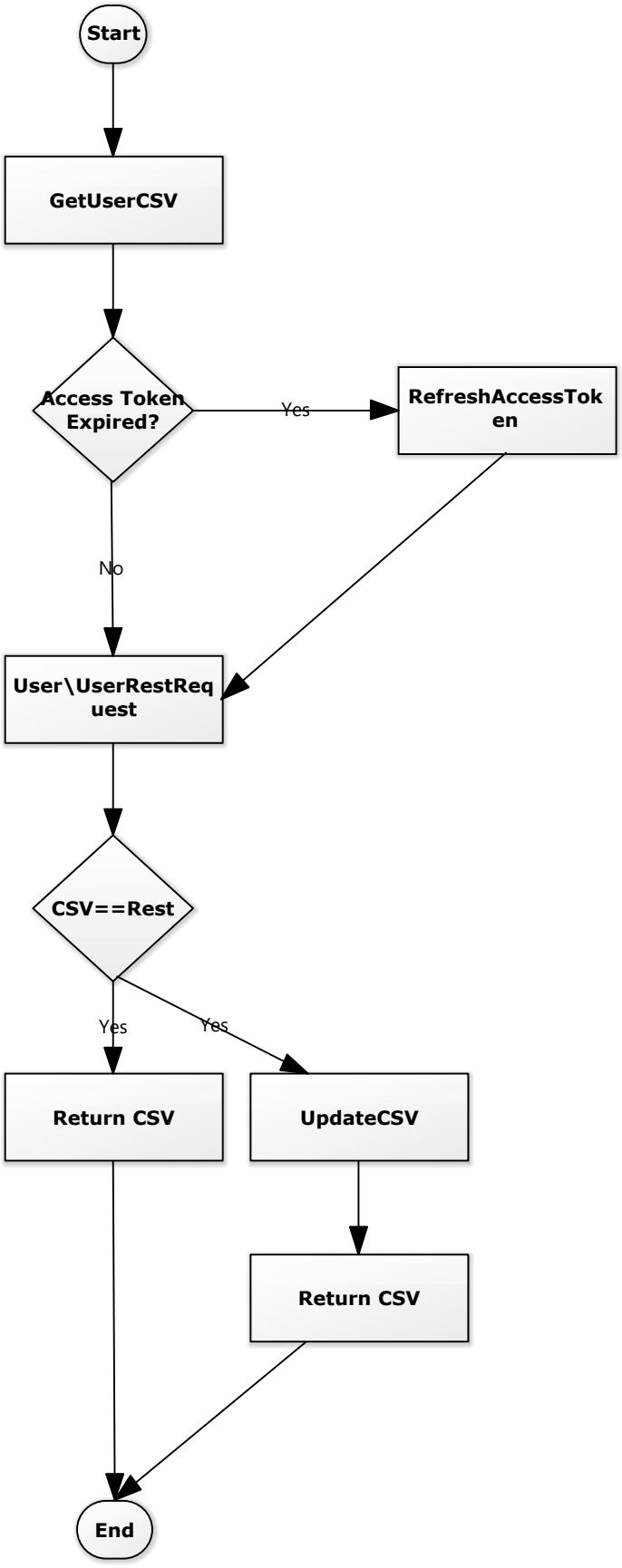
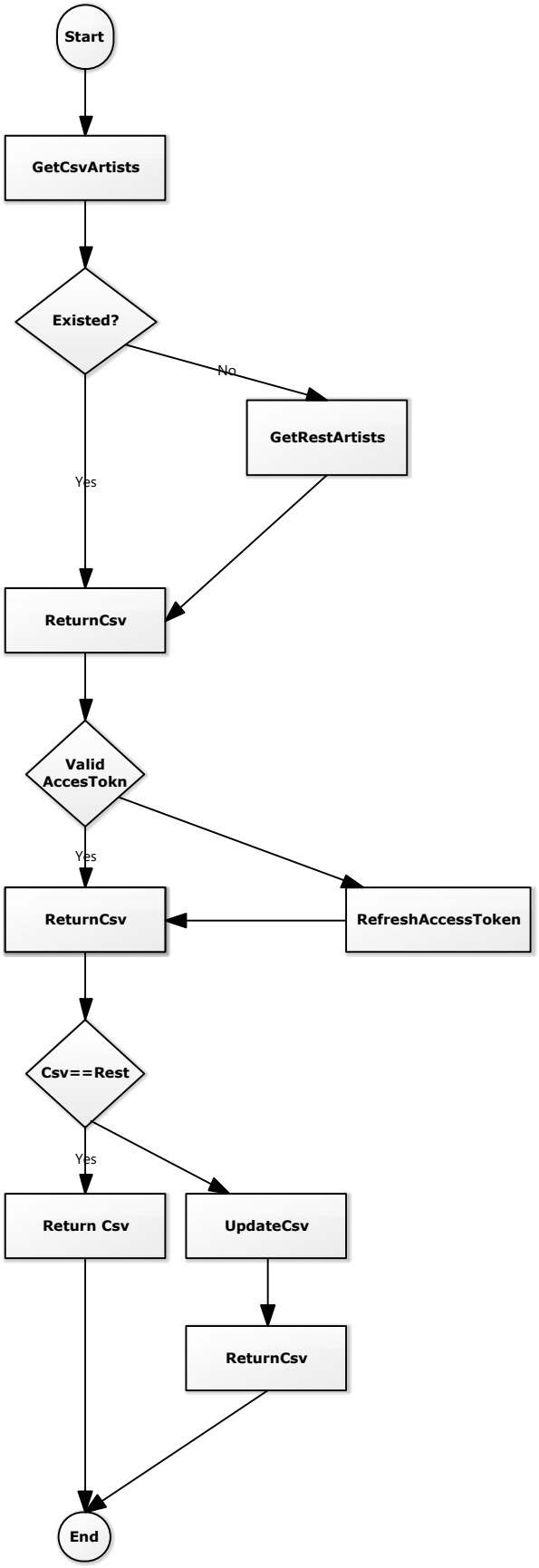
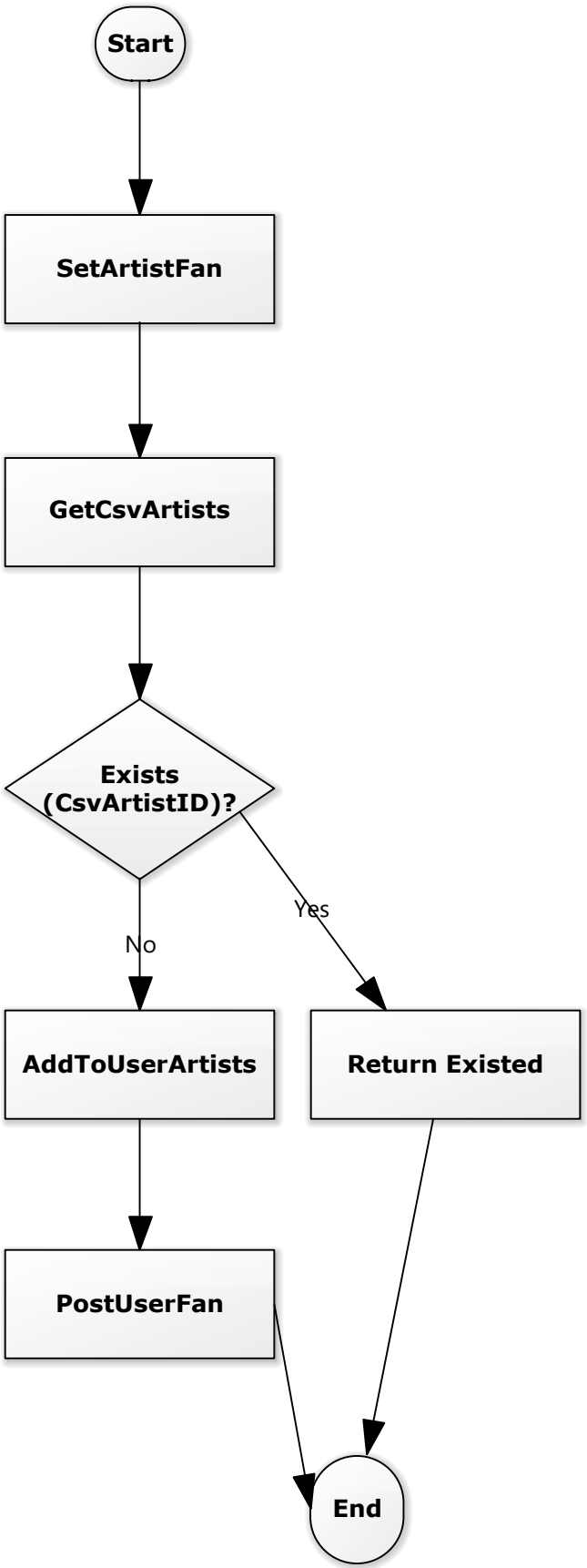

There are two main namespaces
1-JsonClaeses (properties)
2-API_Repository (Operations)
User_Authentication
* GetAccessToken ()
* RefreshAccessToken ()
- UpdateUserAuthCSV (AccessToken token)
* GetAuthCode ()
- SaveToCsv ()
- CsvToToken ()
UserArtistRepo
+ GetArtists (User_Authentication)
+ CsvTOArtist (string CsvFile)
UserRepo
+ GetUser ()
+ GetArtsitImage ()

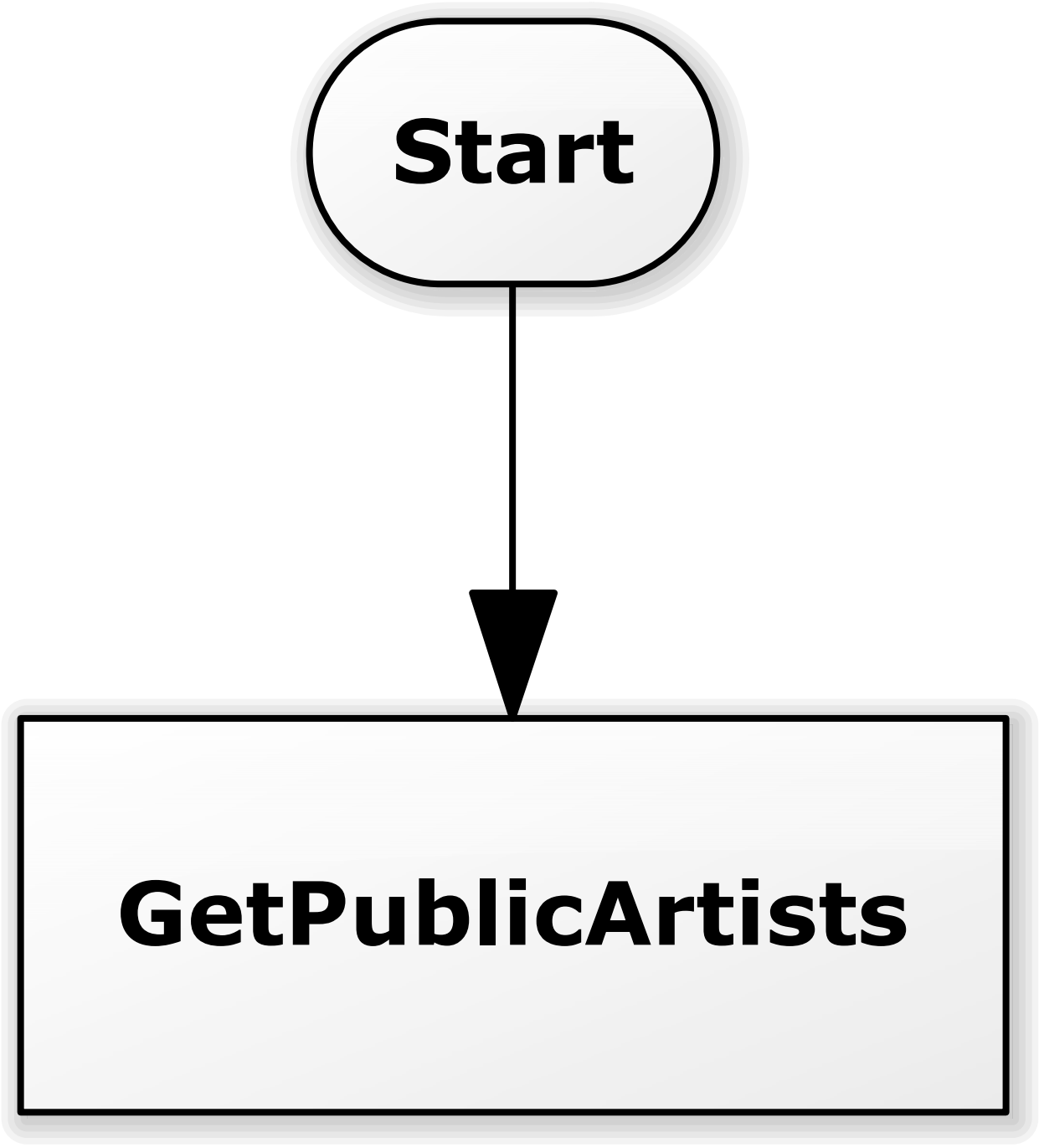

AccessToken
+ access_token: String
+ expires_in: String
+ token_type: String
+ scope: String
+ refresh_token: String
+ URL: String
+ Client_ID: String
+ Client_Secret: String
+ Response_Type: String
+ Authorization_Code: String
+ Redirect_URI: String
+ Grant_Type: String
+ Expiring_Date
Headers
+ Status: String
+ code: String
+ error_message: String
+ warnings: String
+ results_count
User
+ name: String
+ DispName: String
+ ID: String
+ Language: String
+ CreationDate: String
+ Image: String
«use»
«use»
JsonUser
+ headers: Headers
- Users: User [*]


GetAuthCode
Is absolute URI
Yes
Web Browse URI
No
Web Browse to login
return empty string
No
No
uri contains "code="
Yes
Start
GetAccessToken
Valid token?
Yes
Token Has Expired?
UserEvent
Yes
RefreshToken


Start
GetUserCSV
Access Token Expired?
Yes
RefreshAccessToken
No
User\UserRestRequest
CSV==Rest
Yes
Yes
Return CSV
UpdateCSV
Return CSV
End


Start
GetCsvArtists
Existed?
No
GetRestArtists
Yes
ReturnCsv
Valid
AccesTokn
Yes
ReturnCsv
RefreshAccessToken
Csv==Rest
Yes
Return Csv
UpdateCsv
ReturnCsv
End


Start
SetArtistFan
GetCsvArtists
Exists (CsvArtistID)?
Yes
No
AddToUserArtists
Return Existed
PostUserFan
End


Start
GetPublicArtists