

BOUNTY PROGRAM AGREEMENT

PROJECT NAME

Artist and Tokenly platforms

VERSION

1.0

TEAM

Manuel Perez, Gabriel Araujo, Miguel Payarez, Alexander Jimenez, Juan Sulbaran ,
AndyCusatti, Arnaldo Santamaría

ABSTRACT

Tokenly is an organization that provides an exchange services using tokens. These tokens can be paid with multiple crypto currencies using the Tokenly Pockets wallet (a Google Chrome extension). The Music Tokenly platform is an Tokenly platform to buy music using the Tokenly Tokens. TKY platform will use the music Tokenly protected API to get access to Tokenly user account, look the songs bought by this user and download these songs to the user device.

The development of Artist and Tokenly platform looks to offer to a Fermat user an environment to connect with an artist and listening bought music inside the Fermat system.

In Tokenly platform (TKY) we are allowing the following:

- Management of Identities (Fermat users).
- Download music bought through the music tokenly platform.
- Music file management (delete and re-download)
- Synchronize Fermat Tokenly identity with Tokenly music user.
- Visualization of followed artist.
- Development of Tokenly API for Java.

In Artist platform (ART) we are allowing the following:

- Management of Identities (Fermat users).
- Link ART identities with External Platforms.
- Communities usage for connections between Fermat Users.
- Playing the music only provide by the TKY platform.

Until this date, Tokenly is only offering a HTTP and PHP development API but, the Fermat core is developed in Java, so, is necessary to develop a Tokenly API for Java, which will be obtain information from Tokenly API using HTTPS request and convert this information in Java objects that can be used in any Fermat plugin through the Tokenly External API plugin.

To understand how TKY works, it is important to deal with the concept of Swapbot.

Swapbot is an exchange tokens service, developed and maintained by Tokenly. Here is possible offer a services and get paid with Tokenly Tokens. This tokens can be purchased through the Tokenly Pockets Wallet. Tokenly uses the swapbot service to exchange tokens for songs and this songs can be played and downloaded through Tokenly-Music service. To know the swapbot url from an artist, is necessary to get in into the Tokenly public API and get an object called "swapbot".

SCOPE

List of features to develop:

1- TKY Management of Identities:

Development of the screens and logic structures that are necessary to allow the identities creation and local updates that will be used to authenticate with Tokenly system.

Size: 10%

Fermat components: Artist Identity Sub app, Fan Identity Sub app, Artist Identity plugin, Fan Identity plugin, Tokenly External API plugin.

2- TKY Download music bought through the music tokenly platform:

The Tokenly song wallet can download to the user device the songs bought through the music tokenly platform. All the songs are encrypted by the Fermat Plugin File System and only this plugin can restore the information stored in the file to play and listen the music.

Size: 20%

Fermat components: Fan Wallet Reference Wallet, Tokenly Song Wallet plugin, Fan Identity plugin, Tokenly External API plugin.

3- TKY Music file management:

The Fan Wallet screen lets the user to manage songs, like delete a song and download a previously deleted song.

Size: 10%

Fermat components: Fan Wallet Reference Wallet, Tokenly Song Wallet plugin, Fan Identity plugin, Tokenly External API plugin.

4- TKY Synchronize Fermat Tokenly identity with Tokenly music user:

The Fan Wallet screen labeled as "songs" will download automatically the songs the first time that the user opens this screen with a Fan identity properly created. Then, the Fan Wallet will synchronize with tokenly after a some time. The user can force the synchronization using a swipe down.

Size: 10%

Fermat components: Fan Wallet Reference Wallet, Tokenly Song Wallet plugin, Fan Identity plugin, Tokenly External API plugin.

5- TKY Visualization of followed artist:

The Fan Wallet screen labeled as "following" will show the swapbot information from the connected artists to the Fan identity, this information includes a swapbot artist icon, the swapbot artist name and the swapbot URL. The "following" fragment (screen) will use the swapbot URL to let the user open the artist swapbot site in the device internet browser.

Size: 10%

Fermat components: Fan Wallet Reference Wallet, Tokenly Song Wallet plugin, Fan Identity plugin, Tokenly External API plugin.

6- ART Management of Identities:

Development of Art Platform Identities, which can be linked to another Fermat platforms identities. For this version, this link will be only with Tokenly (TKY) Identities. This connection will allow the user to get access to the Tokenly account data and play the songs stored in TKY Song Wallet.

Size: 10%

Fermat components: Artist Identity Sub app, Fan Identity Sub app, Artist Identity plugin, Fan Identity plugin.

7- ART Link ART identities with External Platforms:

The identity screen will show a combobox with the list of identities compatibles to link with ART platform identities. In this version only is allowed link ART identities with TKY identities.

Size: 10%

Fermat components: Artist Identity Sub app, Fan Identity Sub app, Artist Identity plugin, Fan Identity plugin.

8- ART Communities Usage for Actor Connections:

Screen development and the necessary logic structures to list the identities which we have a stable connection, sending a request to connect with another identity, list community identities, list notifications of connection requests, and also block an identity and delete such connection.

Size: 10%

Fermat components: Artist Community Sub app, Fan community Sub app, Artist Actor Connection plugin, Fan Community plugin, Artist Actor Connection, Fan Actor Connection, Artist Actor Network Service, Fan Actor Connection.

9- Playing the music only provide by the TKY platform:

The ART music player will play the songs that the Tokenly Song Wallet could provide, which are encrypted and stored in the device.

Size: 10%

Fermat components: Music Player Sub app, TKY Tokenly Song Wallet.

Also, explain the work that is excluded of this project version.

EVALUATION

The acceptance criteria for each feature to develop will be:

1.- Management of TKY Identities:

- Create a Fan identity with the Tokenly account information (this Tokenly account must be created previously in Tokenly site)
- Create an Artist identity with the Tokenly account information (this Tokenly account must be created previously in Tokenly site)
- Edit any TKY identity.

2.- Tokenly songs management:

- Automatically download songs bought through Toklenly-Music site.
- Store the downloaded songs in local device storage.

3.- Management of stored songs:

- Delete songs stored in the device.
- Download songs previously deleted.

4.- Synchronize TKY Fan identity with Tokenly Music User account:

- Songs automatically synchronize with Tokenly-music site with a predetermined time interval.
- The user can generate a synchronization process with a swipe-down in the screen.

5.- Viewing followed artists:

- Viewing of basic “swapbot” account information from followed artist.
- Brow to the artist swapbot site through an URL provided by the Fan Wallet.

6.- Management of ART Identities:

- Create a Fan identity.
- Create an Artist Identity.
- Edit any ART identity.

7.- Link ART identities with other Fermat’s identities

- Link an ART Fan Identity with a TKY Fan Identity.
- Link an ART Artist Identity with a TKY Artist Identity.

8.- Communities Management

- Link identities.
- Select a profile to make a request connection.
- List connections.
- List connection requested.
- Disconnect profiles.

9.- Play songs stored in the user device.

- List songs stored by the Tokenly Song Wallet
- Play a song.
- Play the next song.
- Play the previous song.

TERMS AND CONDITIONS:

1- The team agrees that the implementation project has two stages: functionality and beta testing.

2- The team understands and accepts that the functionality will be considered done when all the features described in the scope of this agreement are completed and tested in an alpha stage.

3- The team understand and accepts that the implementation of functionality must follow the Fermat’s technical guidelines.

4- Component architecture and workflows are created in the Analytics System and the Interfaces in the API library of the platform involved.

5- The team understands and accepts that implementation will be evaluated by the @bounty-program-team and will include GUI/UX design checking, functionality test and review of Fermat's technical guidelines compliance.

6- The team understands and accepts that there is only one free review for functionality and one for Fermat's technical guidelines compliance. The following reviews will cost the team 25% of the related bounty each in case the first one wasn't approved.

7- The team agrees to complete the implementation on the following conditions:

Implementation due date: All the features will be finished before **27/05/2016**. If on this date the development team does not deliver the agreed functionality, it will lose the implementation bounty.

Implementation collateral deposit: The team agrees to deposit the amount of **\$1.750** paid in tokens in favor of the @bounty-program-team, as a collateral to be lost if this part project is not approved before the due date.

Implementation margin: No more penalties are applied **7** calendar days after implementation due date.

Implementation penalty: **5%** of the implementation bounty for each calendar day that elapses after the implementation margin without formal acceptance from the @bounty-program-team. This penalty will be paid by the development team from its savings to the @bounty-program-team. If savings are not enough it will be deducted from their cash salaries.

Implementation bounty: The functionality will be **70%** of the total bounty. This bounty will be awarded to the development team when the @bounty-program-team considers that the functionality delivered is done.

8- The team understands and accepts that beta testing will be conducted by the @beta-testing-team.

9- The team understands and accepts that criteria to pass beta testing are:

- No bug issues on beta testing due date,
- Or no bug issues in a period of three (3) consecutive calendar days before the due date,
- Or no answer from @beta-testing-team about solved bugs for (6) consecutive days before the due date.

10- The team agrees to complete the beta testing on the following conditions:

Beta testing due date: Beta testing will be passed before **29/06/2016**. If on this date the development team does not pass the beta testing, it will lose the beta testing bounty, which will be automatically awarded to the @beta-testing-team.

Beta testing collateral deposit: The team agrees to deposit the amount of **0** tokens in favor of the @bounty-program-team, as a collateral to be lost if this part of the project is not approved before the due date.

Beta testing margin: No more penalties are applied **5 calendar days** after the beta testing due date.

Beta testing penalty: **5%** of the bounty for each calendar day that elapses after the beta testing margin without formal passing through beta testing. This penalty will be paid by the development team from the implementation bounty previously awarded or its savings to the @beta-testing-team. If savings are not enough it will be deducted from their cash salaries.

Beta testing bounty: The beta testing bounty will be a fixed **30%** of the total bounty. It could be awarded to the development team if it passes the beta testing on time or by @beta-testing-team if they fails. It implies that development team will not get this bounty unless it succeeds in the beta testing process.

TOTAL BOUNTY

The total amount of the bounty in Fermat tokens for this project **\$10.000 (\$7.000 for implementation + \$3.000 for beta testing).**

DISTRIBUTION OF BOUNTY BY CONTRIBUTOR

Manuel Perez	18.5%
Gabriel Araujo	18.5%
Miguel Payarez	18.5%
Alexander Jimenez	18.5%
Juan Sulbaran	8%
Andy Cusatti	2%
Arnaldo Santamaría	15%

Total amount deposit: **\$1.750**

SUMMARY

Implementation due date	27/05/2016
Implementation collateral	\$1.750,00
Implementation margin (days)	7,00
Implementation penalty (%/day)	5
Functionality review (attempts-25%)	1
Technical review (attempts-25%)	1
Implementation bounty (\$)	\$7.000,00

Beta testing due date	29/06/2016
Beta testing collateral (\$)	0
Beta testing margin (days)	5
Bta testing penalty (%/day)	5
Beta testing bounty (\$)	\$3.000,00
Total bounty (\$)	\$10.000,00