**SOFTWARE REQUIREMENTS SPECIFICATION**

**FunixPricingChain**

**1. Product overview**

* Product name: FunixPricingChain – an online product pricing application.
* Product description:

//*TODO*: *Briefly describe* *the* *main* *functionality of the product.*

* Users – who will use the application:

//*TODO*: *List out who will be directly using the product. Briefly describe each user.*

|  |  |  |
| --- | --- | --- |
| *No.* | *User* | *Description* |
| *1.* |  |  |
| *2.* |  |  |

* The benefit to users:

// *TODO: specify* w*ho is the key user that the product is targeting. How is it beneficial to the key user? Which user’s problem will be solved by using the product?*

* Functional Diagram:

// *TODO: Visualize the product features by showing the interaction between the product functions and its users.*

*The sample of the functional diagram is provided below. Your work is to review/update the diagram to cover all product functions.*

*The details of each function will be specified in the following section.*

Admin

User

**2. Functional Requirements**

2.1 3. Initiate A Pricing Session

* Function name: Initiate A Pricing Session
* Function description: the function is to initiate a new session for pricing product
* User to use: Only admin will use the function
* Function Inputs:

|  |  |
| --- | --- |
| **Input** | **Requirement** |
| Product name | String, required. |
| Product description | String, required. |
| Product images | List of string, each string refers to a specific image |

* Function rule: system will require at least one image for each product. Images are stored on IPFS.
* Function result: a new product with valid information will be added and a pricing session is initiated.

// *TODO:*

*Provide specifications for all functions listed below:*

* *Admin to initiate a pricing session (sampled right above, review and update to meet the expected specification for each function)*
* *Participant to sign up/sign in*
* *Participant to view and price a product*
* *Admin to view and close a pricing session*
* *Admin to view a list of all participants with details*
* *Admin to view a list of all sessions with details*

*Expected specification for each function:*

* *Function name: name of the function*
* *Function description: a short description of the function*
* *User to use: Who will use the function (from the user list)*
* *Function inputs: all data, condition of input need for function execution. Specify whether data is required/optional, data type, data sample if possible.*
* *Function rule: specify the logic/rule that is applied/restricted by the system*
* *Function result: what output produced after function execution*
* *Mockup screen (or screenshot if possible): simply draw a screen layout with necessary elements (e.g.: label, textbox, button…).*

*Notes: in case you need to add more function than those listed above, feel free to provide a specification for them.*

**3. Non-Functional Requirements**

// *TODO: Define the non-functional requirements if any. The following requirements are non-functional:*

* *Web browser coverage: specify all web browser that product supports. This is usually listed out those popular web browsers.*
* *Mobile platform: if your application is a mobile app, then the requirements of mobile OS need to specify. It is a considerable effort to develop and deliver the application in an additional OS platform. Thus, it needs to be well-scoped at this stage, requirement analysis.*
* *System performance: specify transaction processing time, system response time, max amount of concurrent users that the system can handle…*

**4. Product Upgrades**

// *TODO: Try to analyze further, is there any improvement for your product? Is there any new function will be added to your product soon?*

*Try to list out the improvement or any new function that will be added to your current product to make it more beneficial to users. For each improvement/added function, provide a brief description.*