**Project Title**:

**CRYPTO LOLLY**

**GROUP MEMBERS:**

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**Contract Address:**

* **0xEC6b0E3555485d080d7b161EB68A9d2609029271**

# Introduction:

In CryptoLollies users create and sale the Lollies that we call CryptoLolly! Each Lolly has a unique color that defines its appearance. User can create and freeze their Lolly to sell and share.

CryptoLolly is one of the block chain website. ‘Block chain’ is the technology that makes things like Bitcoin possible. While CryptoLollies is not a digital currency, it does offer the same security: each CryptoLolly is one-of-a-kind and 100% owned by you. It cannot be replicated, taken away, or destroyed.

## Assumptions and dependencies:

The following assumptions are made at the end of the developers that the users will have these in Lolly for the website to run smoothly:

A Broadband Internet Connection (At least 1mbps) Availability of input devices such as Keyboard, Mouse.

A working internet browser (i.e. Chrome, Firefox, Internet Explorer)

# Use Case/Actor Survey:

## User

Connect wallet by website so that he accesses the features.

Create Lollies

Sell Lollies

Share Lollies

Buy Lollies

# Requirements:

## Functional requirements:

### Creating Lollies:

Description and Priority:

Firstly, user have to connect the wallet for transaction

Stimulus/Response Sequences

*Connect to wallet*

*Tap “Create lolly” Enter the colors of your lolly.*

*Tap “Create and freeze”.*

*Confirmation notification will sent to your wallet.*

*Done*

Functional Requirements

REQ-1: An Active Internet Connection in Order to access the blockchain contract functions and data

### Selling Lollies:

Description and Priority:

After Create Lolly user can sell this lolly with other users

Stimulus/Response Sequences

*My Assets*

*Tap “Sell” Enter Lolly Id and price*

*Click “Sell”*

Functional Requirements

REQ-1: An Active Internet Connection in Order to access the blockchain contract functions and data

### Share Lollies

Description and Priority:

After Create Lolly user can sell this lolly with other users

Stimulus/Response Sequences

*My Assets*

*Tap “Share” Enter Lolly Id and Public address of the user to whom you share*

*Click “Share”*

Functional Requirements

REQ-1: An Active Internet Connection in Order to access the blockchain contract functions and data

## Non-functional Requirements:

In this section, last group of the requirements which is nonfunctional requirements will be explained in detail. Nonfunctional requirements are separated into usability, reliability, performance, supportability requirements subsections.

### Performance Requirements:

The Lolly needs to be able to fetch color from block chain and update color in block chain at high speed in order to be able to handle multiple requests at once and give the users a smooth experience. An easy to use Interface is necessary as the age audience is targeted to all ages and for this to be successfully executed the understanding of the Interface by the users is necessary in order to quickly and easily learn how to use the Lolly.

### Supportability:

Programming language used in this project (React js/solidity) so that the tasks are independent of each other and therefore easy to maintain.

The codes must be easy to understand and readable.

All design architecture should be well documented.

### Reliability:

This will be run on mobile devices or PCs, it need fast Internet connection to run.

It shall be available in 24 hours a day, 7 days of a week.

### Usability:

This website is windows and android users. Moreover, it is using English language so that everyone literate with English can use it. Thus, our Website is easy to use and understandable so that no time is required for users to become productive at the usage

## Hardware Interfaces

This application works on core i3 devices and smart phones. No other hardware is required.

## Software Interfaces

This application works on windows 7 or higher on other platform

## Communication Interfaces

This application works with at least 1 mbps speed for great experiences.

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# Applicable standards:

All the standard is followed to build this application to take care the security, maintenance, easy to use, useful app etc.