LuckyDay Vehicle History Report
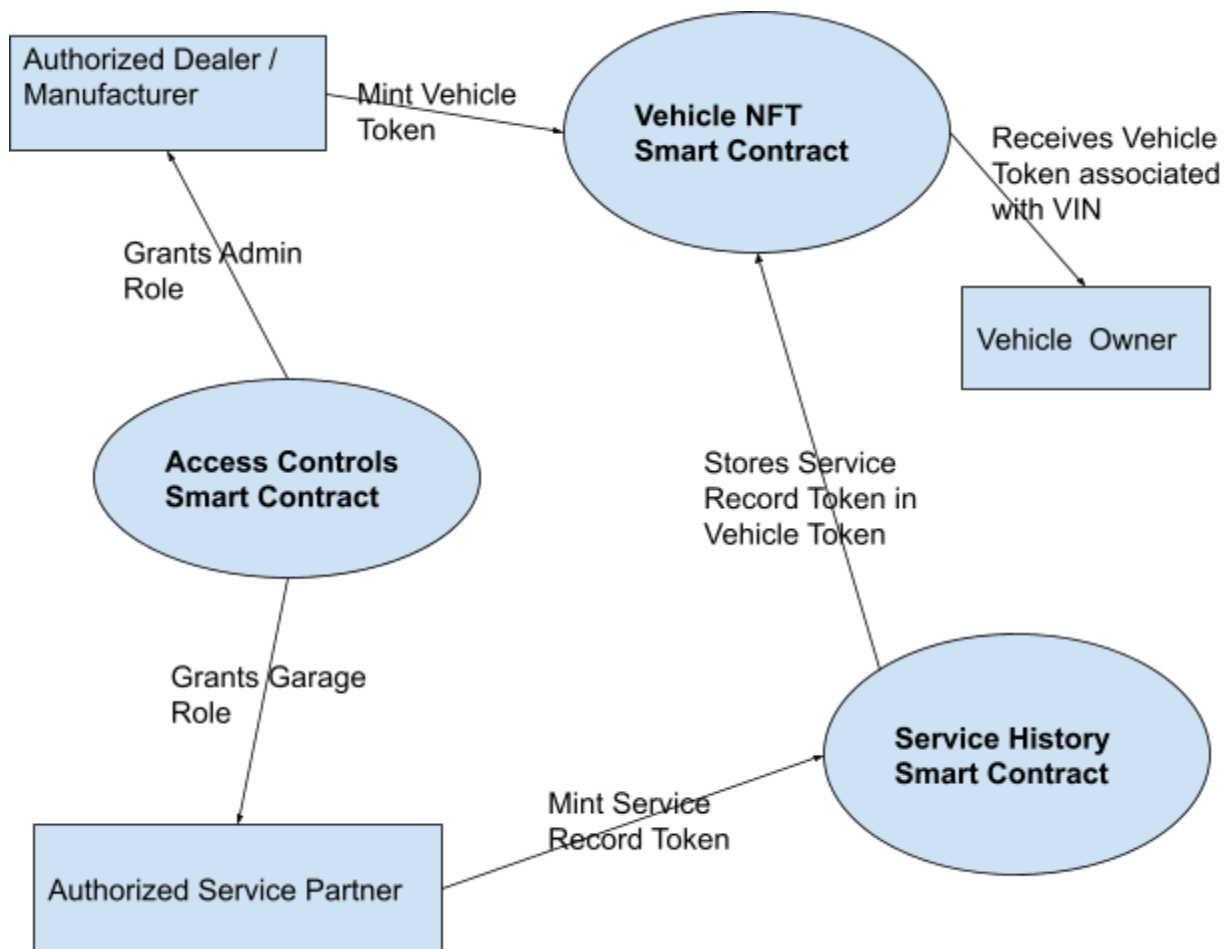## On Blockchain - User Guide

Introduction

LuckyDay Vehicle History Report is a part of the LuckyDay web app , for storing vehicle history records on the blockchain. Right now the vehicle history records are distributed among dealers, insurance companies, collision centers, and DMVs etc. The main purpose of the LuckyDay Vehicle History report is to bring all scattered records to one place and give a role based access to different parties to add the different history records in the LuckyDay blockchain. For example: the records for emission tests , repair works, Oil changes etc. can be added to the blockchain by different parties and can not be altered later. The successive buyer will have unaltered and complete history of the vehicle before buying it.

Workflow of adding Vehicle History Records

The Manufacturer or Authorized Dealer can mint the Vehicle Token through the Vehicle Smart Contract , the new minted Vehicle Token will be associated with basic information of vehicle VIN and URI. The Vehicle Smart Contract has the ability to embed new Service History records NFTs in the Vehicle NFT Token later. So , the search will be easier to get all service records associated with a given vehicle's NFT token .

How to Look for Vehicle History Records

Go to the LuckyDay web app, and select Vehicle History Report page, go to **Vehicle History Search Section** in the page , select the Vehicle NFT Token ID from the drop down list and all the service history records added so far in this Vehicle NFT token are displayed.

How to Mint Vehicle NFT Token

Go to the LuckyDay web app, and select Vehicle History Report page, go to **Vehicle NFT Mint Section** in the page , enter 'Vehicle VIN' , 'Vehicle URI', 'Select Admin Role Account to Mint Vehicle Token' and 'Select New Vehicle Owner Address', then click on 'Mint Vehicle token' button. New vehicle token Id will be minted for the given information. In this example , Vehicle **Token ID 9** minted for the given information.
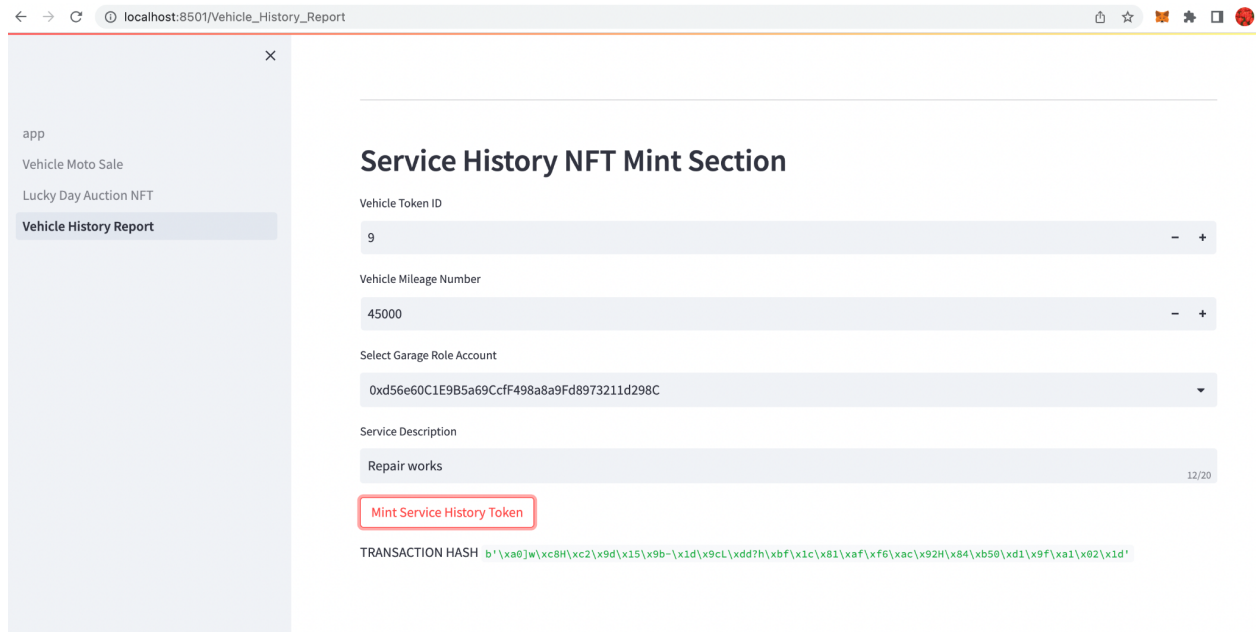
How to Mint Emission Test NFT Token

Go to the LuckyDay web app, and select Vehicle History Report page, go to **Emission Test NFT Mint Section** on the page , enter 'Vehicle Token ID', 'Vehicle Mileage Number', 'Select Garage Role Account' and 'What's vehicle emission test result'. In this example : emission test pass record is minted for Vehicle **Token ID 9**

How to Mint Service History NFT Token

Go to the LuckyDay web app, and select Vehicle History Report page, go to **Service History NFT Mint Section** on the page , enter 'Vehicle Token ID', 'Vehicle Mileage Number', 'Select Garage Role Account' and 'Service Description'. In this example : service history token is minted for Vehicle **Token ID 9**

How to Look for History Records for new Vehicle Token

Refresh LuckyDay web app in browser, and select Vehicle History Report page, go to **Vehicle History Search Section** in the page , select the Vehicle NFT Token ID from the drop down list and all the service history records added so far in this Vehicle NFT token are displayed. In this example: all history records associated with **Token ID 9** are displayed.