## **USER TEST**

Number of requirement which has been tested: 8

Requirement title: Blockchain Filtering

Requirement description: Application must have the option to print out all blocks within the blockchain as well as filtering its contents by specific categories

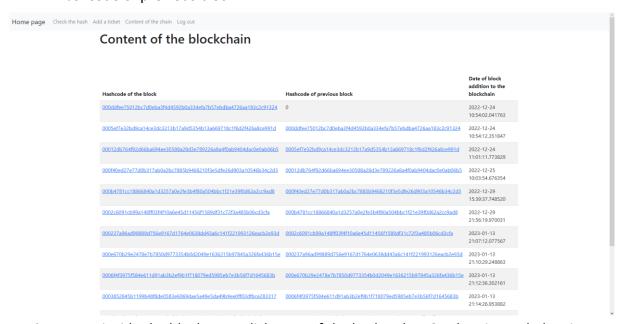
Test scenario: User will enter the module were all blocks of the blockchain are shown. User will also get inside each block to check whether the information is stored in it.

## Test process and results:

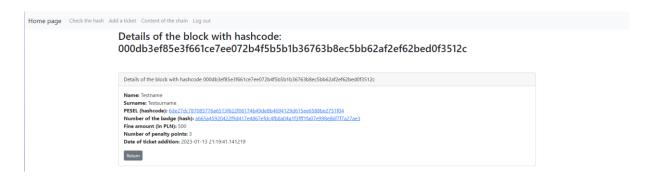
1. To see the whole blockchain user must enter "Content of the chain" module through the navigation bar at the top of the page

Home page Check the hash Add a ticket Content of the chain Log out

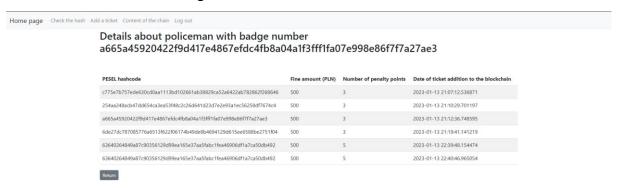
2. The module shows all existing blocks in the blockchain. First block of the blockchain is filled with random data as an initializing block and its parameter "Hashcode of previous block" is equal to 0. Every next block is connected one by one and it can be seen on the picture below that every new block also contains an information about hashcode of previous block.



3. To get inside the block, user clicks one of the hashcodes. On the picture below it can be seen what is the content of selected block. It should contain all data which was filled in the form in module which adds new ticket to database.



4. Requirement to get inside the block and check what data is inside is fulfilled, but there are another options inside. User can click on the hashcode of PESEL or badge which are stored in the block. When clicked on hashcode of the badge, application shows all tickets which are connected to this badge. It means that user can check all tickets given by one policeman. As an example there is a picture below of data connected to one badge.



The same happens while clicked on hashcode of PESEL. Application shows all tickets which specified person received (PESEL is unique for every citizen of Poland).

