Self-Storage Management system

1. Technology features:
   1. Front end: angular 7, ag-grid, highchart 7;
   2. Back end: net cord 2.1, entity framework;
   3. Platform: Azure app service, Azure SQL;
2. Functionalities:
   1. A new sign-up user has 1000 NZD;
   2. Storage price is 1 dollar/unit(1 cubic meter) per day;
   3. A user can check in and check out on his own;
   4. Low credit (<100) cannot rent new space.
3. Database Design:

Account:

|  |  |
| --- | --- |
| ID | Int |
| First Name | Nvachar(100) |
| Last Name | Nvachar(100) |
| Gender | bit |
| Email | Nvachar(100) |
| Mobile | Nvachar(100) |
| Post Address | Nvachar(200) |
| Password Salt |  |
| Password Salt |  |
| LastVisited | DateTime |

StorageSpace:

|  |  |
| --- | --- |
| ID | Int |
| Location | Nvachar(100) |
| Status | bit |

StorageStatus:

|  |  |
| --- | --- |
| ID | Int |
| StorageSpaceID | Int (100) |
| AccountID | Int |
| StartDate | DateTime |
| EndDate | DateTime |
| Status | bit |

AccountBalance :

|  |  |
| --- | --- |
| ID | Int |
| AccountID | Int (100) |
| Credit | Int |

User control

<https://github.com/damienbod/AspNetCoreAngularSignalRSecurity>