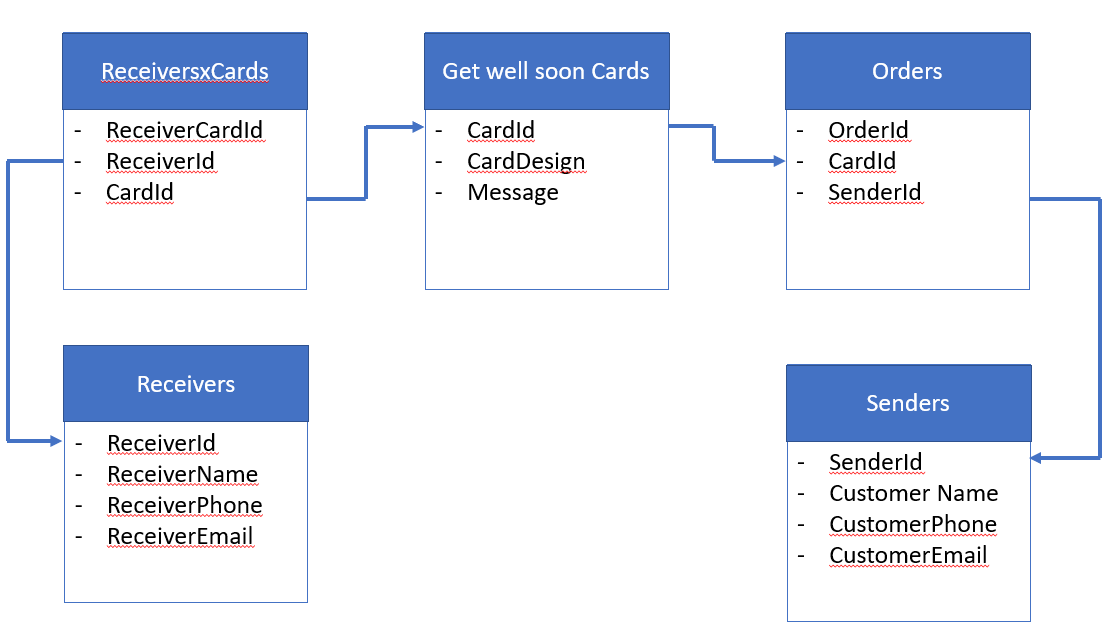
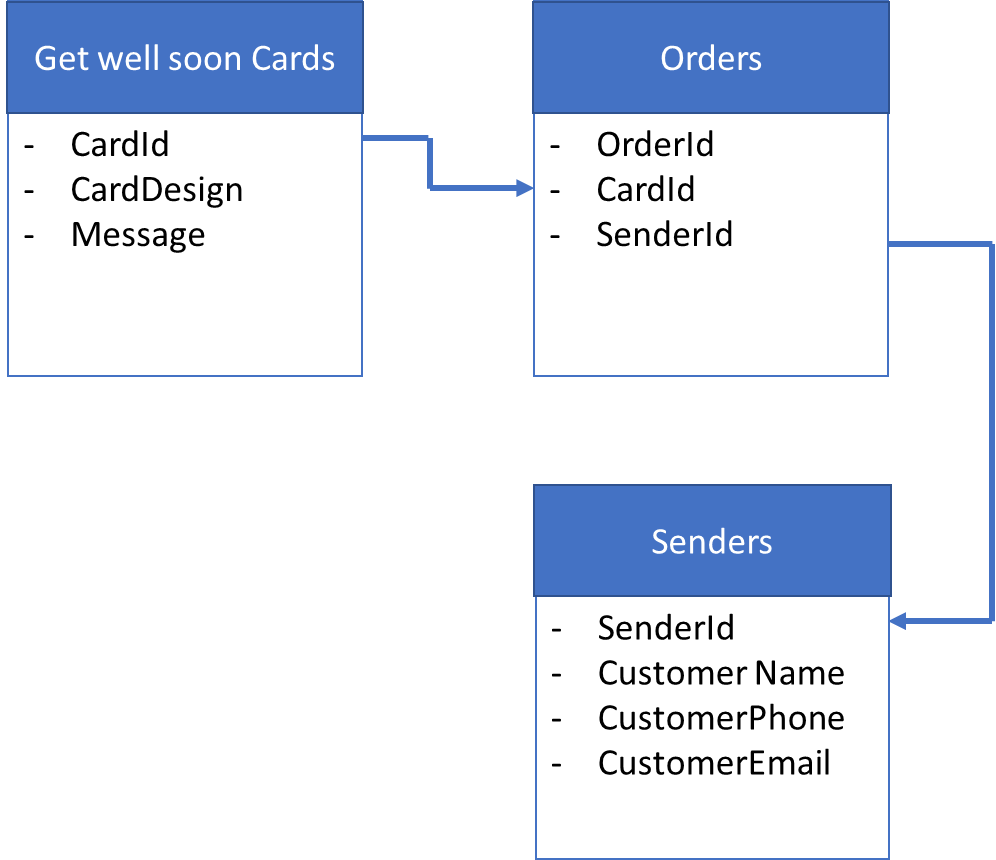
Temiskaming Redesigning Hospital Project

Get well soon Card & Login System Entity Relationship Diagram

* 1. Get well Soon Card
  2. Entity Relationship Diagram

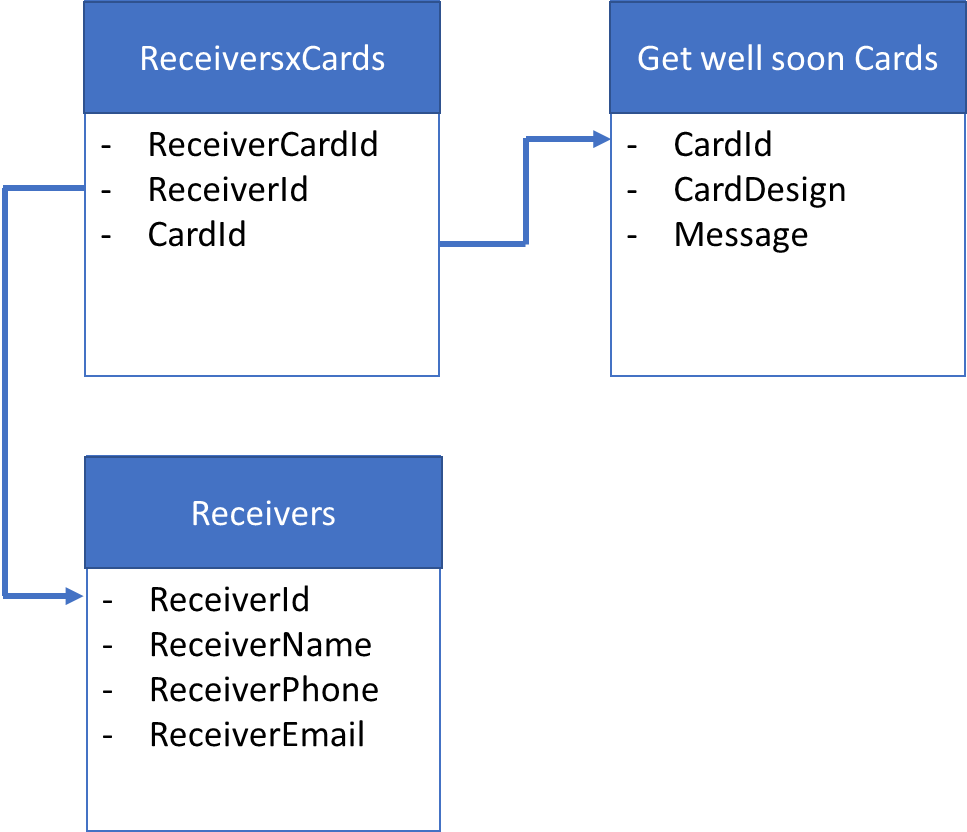


* 1. Narrative story + Justification



To illustrate the Many-to-Many Relationship between Get Well Soon Card and the Senders, let’s take a look at the story of Jack. Jack has a friend, John who has just recently an accident. He wants to send John a get well soon card. At the same time, he also receives the news that his sister is about to give birth at Temiskaming hospital and also wants to send a congratulation card to her.

Meanwhile, the same card Jack orders could have been in other’s people’s choice too. In other words, Jack could order many cards and the same card could be ordered by many people like Jack. A many-to-many relationship will facilitate this situation.



John is a patient at the hospital. Besides Jack, he has many friends who care about him; therefore, it will be likely that he will receive many get well soon cards. Likewise, a card can be chosen by more than one of John’s friends to send to him. In this case, a many-to-many relationship is appropriate to implement.

* 1. User story and access right

|  |  |  |  |
| --- | --- | --- | --- |
| Get well soon card | Admin | Editor | Registered Users |
| Create | Yes | Yes | Yes |
| Read | Yes | Yes | Only their own |
| Update | Yes | Yes | Only their own |
| Delete | Yes | No | Only their own |

**Admin’s story:** Hermione is an administrator of the Temiskaming hospital website. Upon logging in to the system, she could see all the get well soon cards sent to the patient at the hospital. She could also create the cards and send out to some old patients who live alone in the area to cheer them up.

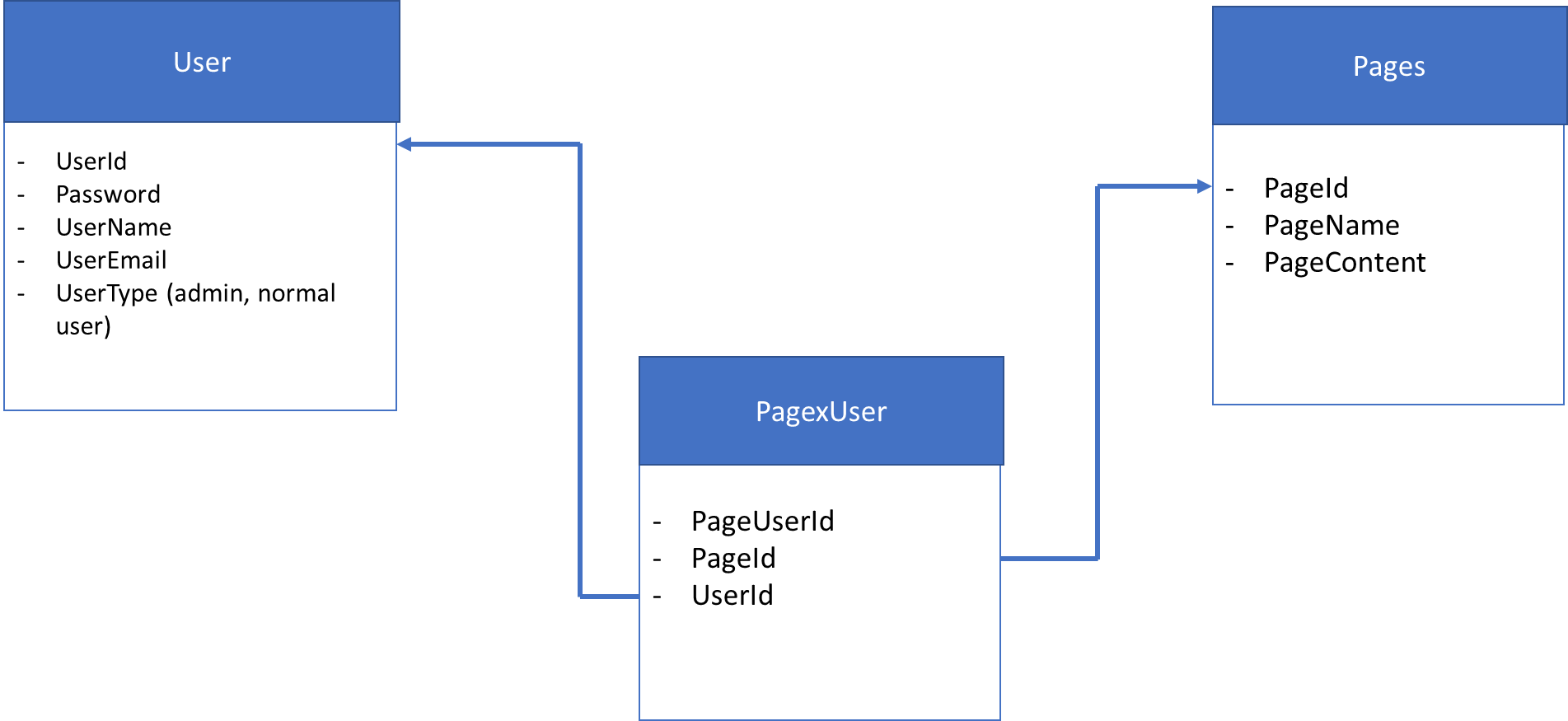
**Editor’s story:** Ron is the editor of the Temiskaming hospital website. After the COVID-19 pandemic, as there are so many people recovering from the disease, he helps Hermione send out the card to all the patients. He could help edit, update cards from the hospital as well as from the families of the patient if they request. However, to delete a card, he needs permission from Hermione – an administrator to avoid mistakes. Upon clicking delete, he will encounter a line that says You are not authorized to perform the action.

**Register users**: Harry ‘s grandfather, Mr. Dumbledoor is in the hospital. He needs to create a card to say to show that he is rooting for his grandpa. When he accesses the Get well soon Card page, the system will require him to log in or register to create a card.

Later on, he found out that he made a typo on the card and his grandfather – a teacher hates typo. He could log in again to see all the cards he has just created so far for different people like his dad: James, his uncle Lupin and Sirius in Temiskaming hospital. He found the card for Mr. Dumbledoor and edited it. Upon editing, he found out his grandfather has returned to England and thus, he deletes the card.

* 1. Log in system

2.1) ERD Diagram



* 1. Narrative story + Justification

Our login system will help to classify our website visitor into 3 types: administrator, editor and register user. All people who registered will be registered users. Editors and administrators can only be assigned by an administrator. Each will have different access and authorization to different contents on the website. The administrator will have full right to see, create, update, delete everything in the website while for editors, register users, that right will be restricted in some contents. The table below demonstrated how only an admin can assign roles for people:

|  |  |  |  |
| --- | --- | --- | --- |
| Assigning roles | Admin | Editor | Registered Users |
| Create | Yes | No | No |
| Read | Yes | Yes | No |
| Update | Yes | No | No |
| Delete | Yes | No | No |

**Admin story:** Hermione is a nurse and also an administrator of the Temiskaming hospital website. As the COVID-19 pandemic gets serious, she needs to focus more on curing the patient rather than the website. Therefore, she recruits Harry as an administrator to help her.

**Editor story (continued):** Harry takes on the job and quickly felt overwhelmed as there is so much to handle so he decides to recruit another newly-graduate to help him as an editor. After receiving the email and password from Harry, the newly-recruit can now work as an editor of the website. He can not create a new account and assign roles to other people like the admin.

**Register user:** Ron has registered and logged in to the Temiskaming hospital website so he becomes a registered user. He can now enjoy many online services offered by the hospital such as parking registration, online appointment, send a get well soon card or job listing. However, he could not create a new account for others or himself when he logged in.