**Sarai Management**

This project was developed using ASP.NET MVC 5 (Model, View, Controller) Architecture in C#. The database used was Microsoft SQL Server Management Studio. The purpose of this project was to provide a website for a donation institution in Alfenas, whose name is Sarai. This institution receives donations from people that want to help. They store these donations, that can be anything from food or furniture to money, at the institution. Finally, they donate these items to people in need. Also, this institution helps children who are not doing well at school. So, the software was designed to control the donations flow at this specific institution and register all children that they help in the system.

**Database Diagram**

Doadors = People that donate to the institution Doacao = Donation

Movimentacao = Cash flow ItemsDoados = Donated Item

Usuario = Users Estoque = Storage

Caixa = cashier Alunos = Students/Children

Donatario = People that receive donations from the institution/children’s parents

**Tela de computador com texto preto sobre fundo branco

Descrição gerada automaticamente**

**Login Page**

Each employee has an account that can be user or administrator. The user type has some restrictions, but the administrator has access to all functionalities of the website.

Uma imagem contendo Interface gráfica do usuário

Descrição gerada automaticamente

**Home Page**

This is the homepage for an administrator account.

Diagrama

Descrição gerada automaticamente

Cashier

Storage

Users Management

Donations Management

Students Management

Donors and Donees

**Pop-ups and Storage**

Each button generates a pop-up with more options. In this case, I pressed “Storage”, and my options are: register a new item or check storage.

Código QR

Descrição gerada automaticamente com confiança baixa

The second button “Consultar item no Estoque” opens this window where we can see all item in the storage. Also, it is possible to search by a specific item, edit an item, and delete.

Uma imagem contendo Texto

Descrição gerada automaticamente

Suppose the institution received 10 more bananas, they can edit it and save.

Interface gráfica do usuário, Aplicativo

Descrição gerada automaticamente

**Donation**

When the institution donates, the first thing is to select the donee (date and user are automatically set). Second choose between donating cash or items, or both.

Interface gráfica do usuário, Aplicativo

Descrição gerada automaticamente

Donate Item

Donate cash

If donating cash, set the amount and from each cashier this money is coming from. The amount is subtracted from the selected cashier automatically.

Interface gráfica do usuário, Aplicativo

Descrição gerada automaticamente

If donating items, just select the item from the storage and set the amount.

Interface gráfica do usuário, Aplicativo, Site

Descrição gerada automaticamente

Check all items and confirm to finish the donation.

Gráfico, Gráfico de mapa de árvore

Descrição gerada automaticamente

**Donations List**

It is possible to see all donations for a specific donee. This is the donation that I just made to “Eliano Corderio”. The button “Visualizar items” show all the items that were donated.

Interface gráfica do usuário, Aplicativo

Descrição gerada automaticamente

Interface gráfica do usuário, Aplicativo

Descrição gerada automaticamente

**Concluding remarks**

The website has many more functionalities, but from this summary it is possible to have a good idea on how it works.