

Payment Automation

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Description

A payment application that allows businesses calculating payments manually through spreadsheets to automate the process.

The admin creates payment profiles for different employee positions and can add data by uploading .csv files, after which they can automatically calculate payments for each user.



Features

- User authentication with roles (admin, employee)
- .csv file upload and parsing
- Automatic payment calculation
- CRUD
- List search/sort/pagination



Planning - User Stories

Admin can:

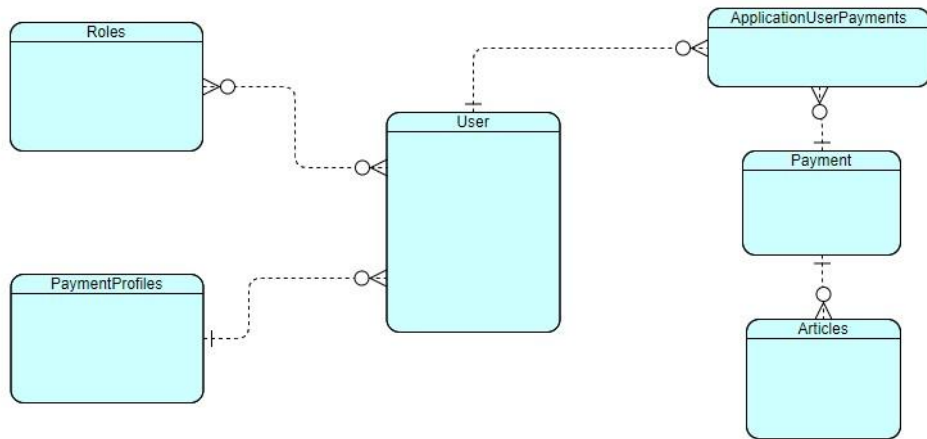
- Upload .csv files and customize payment parameters
- View payment records for past payment cycles and individual employees

Users can:

- View their own payment records



Planning - Database



Technology Stack

- C#
- ASP.NET Core MVC
- ASP.NET Core Identity
- Entity Framework Core
- Bootstrap 4
- Other libraries or components
 - DataTables



Demo



What I Learned

- ASP.NET Core Identity
 - Extending built-in Identity classes
 - Using Razor Pages
 - Custom access and views for different roles
- Responsive styling with Bootstrap
- Uploading .csv files and extracting data



What's Next

- Add ability to update individual articles before or after payment has been calculated and then update related data
 - Instead of having to delete payment and start over with file uploads
- Improved UI - overriding Bootstrap styles
- Add ability to automatically send employees email when payment is complete
- Rebuild with Angular

