

# Back-End Developer Assessment

Create a .net 8 project with a mysql database.

The project should have a data layer and an API layer.

The database should have the following tables:

- Donors – A table with donor information including names, addresses and activeStatus
- Pledges – A table with money pledged (similar to an estimate) which has a one to many relationship to a donor. Should have a date and an amount.
- Payments- A table with payment information, should have an amount, a date, and a many to many relationships with pledges and a one-to-many relationship with donors
- Changelog – table with changelog info

Create CRUD API controllers for the Donors, Pledges and Payments tables.

Create a Read API controller for the changelogs table.

The changelog table should be fully functional and should track all changes.

EXTRA:

Add entity filtering for all API controllers.

NO UI development is necessary but I should be able to use the API with postman.