**Synopsis idea**

Website for calculating principal when taking out a mortgage loan.

**Included Features**

* Function for calculating the principal, which is dependent on a bank fees and contribution fees
* The user inputs the current price of the mortgage loan and the principal
* The user selects a bank from a drop down menu

**UI**

A single webpage showing

* A dropdown menu where the user can select a bank (TotalKredit or RealkreditDanmark)
* Input fields
  + Current price
  + Principal
* Calculate button
* The calculated principal is shown on the website

**Backend – Done in Python or C#**

* Structure code similar to .NET MVC
* Implement code according to the SOLID principles
* Unittest the principal calculation function via data-driven unittesting and potentially also using a mocking framework
* Blackbox texting/BDD like specFlow/Gherkin of the principal function or other feature
* Potentially derive test cases like node coverage, edge coverage, MCDC or look more generally at code coverage