

**CST2335**  
**GRAPHICAL**  
**INTERFACE**  
**PROGRAMMING**

**Week 5**

**Mortgage Calculator**

# Agenda

- Putting everything together



# Specification

- The Home Screen should be a login-style screen
- The user name on the Home Screen should be stored as a Shared Preference
- The Login Button on the Home Screen should transition to the SecondActivity
- The SecondActivity page is where the mortgage is being calculated



# Mortgage Calculator Formula

$$M = P[I(1+i)^n] / [(1+i)^n - 1]$$

- M = Total monthly payment
- P = The total amount of your loan
- I = Your interest rate, as a monthly percentage
- N = The total amount of months in your timeline for paying off your mortgage

