**Front End Technical Assessment**  
  
Please choose **ONE** of the following problems.  
  
Please present your solution with your source code available on a public or private online git repo (github, gitlab, bitbucket, etc), and also ideally with a working hosted solution accessible on the internet (you can use an online JS editor or other very light solution, no back end required).  
  
**Recommended time for either: 3 hours**  
The solution does not need to be perfect. Please complete what you deem necessary and prioritize accordingly. Most importantly, you should be prepared to discuss how you would potentially enhance the solution given more time, and decisions / tradeoffs that you made.  
  
**How it will be assessed**We will review various aspects of your submission, including:

* Functionality and presentation.
* Testing and maintainability.
* Naming conventions and code style.
* Organization and separation of concerns.
* Patterns and practices.
* Use of version control.

Again, the submission does not need to be perfect. However, please keep the items above in mind.  
  
**Before you submit**Before sharing your work please review it to ensure that:

* All of your work has been committed.
* The repository is publicly accessible.
* The submission can be run locally (eg. there are no compile or runtime errors).
* The tests (if present) are passing.
* Temporary and debugging-related code is removed.

**Problem 1: Mortgage Calculator**  
Create a mortgage calculator in Angular 2+ based on the *functionality* in this example: <https://itools-ioutils.fcac-acfc.gc.ca/MC-CH/MCCalc-CHCalc-eng.aspx>  
  
**Things to consider**

* Feel free to modify the look and feel of the app. Only the basic functionality needs to be replicated.
* The calculation algorithm does not need to be exactly the same as the example. It can be more basic as long as it makes sense at a high level.
* Please consider writing some tests as part of the solution but complete coverage is not necessary.

**Problem 2: Synchronized Clocks**  
Create two synchronized clocks using Angular 2+. There should be the ability to adjust each clock's time. When the time on one clock is adjusted, the time on the other clock should be automatically synchronized. Please have 1 analog clock face and 1 digital clock face.  
  
**Things to consider**

* Please pay attention to the look and feel of the clocks as well as their functionality.
* The digital clock should move as time elapses. It would also be a nice to have if the analog clock does the same.
* Please consider writing some tests as part of the solution but complete coverage is not necessary.