**Implementation plan**

1. **Write the clock process that will update the data every tick and test it.**
2. **Add the weather process and implement a shared memory mechanism to give access to weather to the other processes, test it by monitoring weather state in shared memory.**
3. **Write the home process with random variables that will define it and make it unique. Test it by trying to access shared memory and see if consumption and production change.**
4. **Write the market process, the main part of the program, and implement a multi thread communication system with the home processes. Test: communicate with homes, weather access**
5. **End with the external process, a child of the market. It will send a signal to its father when random events appear, the market will decide the consequences. Test: See if prices change**