**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 market process, the main part of the program, and implement a multi thread communication system with the home processes. Test: weather access, price variation**
4. **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, communication with market**
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**