**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**
3. **Write the home process with random variables that will define it and make it unique**
4. **Write the market process, the main part of the program, and implement a multi thread communication system with the home processes**
5. **End with the external process, a child of the market. It will send a signal to its father when random events appears, the market will decide the consequences.**