**Implementation plan**

1. **Write the clock process. It has two state and a cycle will represent a new day.**
2. **Add the weather process and implement a shared memory mechanism to give access to the 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. Implement a multi thread communication system that will handle communication with houses. Test: weather access, price variation**
4. **Write the home process with random variables that will define it and make it unique. Each thread in the Market process communicates with one home at a time. Test it by trying to access shared memory, see if consumption and production change and verify communication with market works.**
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 Market receive the signals.**
6. **Write in the main process the code to display information to the terminal**