

Legend: Because there is not a linear time flow to events, since users have many options at the home page, and the ability to return home from any page, data flows are labelled and grouped by process.

The home page process is labelled 3.0. From the home page, an arrow labelled 1 is anything that a user can do from their home page, and subsequent numbers occur following the arrows from the first request, usually culminating in the user pressing the back button and being taken back home. For example, at the home page, a user can choose to do anything labelled with a 1.

Once the user has chosen something, if that action requires more than one data handoff, they are labelled in order, following the arrows, from 2 on.

Every process labelled 4.0 also is displaying a back button that will take the user (and data flow) back to process 3.0

There is no room to add arrows from the 6.0 processes back to 3.0, so we omitted them. Assume they exist

Also note that I have duplicated some commonly used Data Stores to reduce clutter around them in the diagram.
The actual system will have one of each label of Data Store, with the exception of D3, which is the database itself, taking raw user-defined SQL as input