­­­Would like to have:

**Homepage:**

* Some of the overall analysis can be listed here maybe have some papers etc that cite us here too
* People need to be able to query a GRB SN or both and see all the data including:
* Headline figures for the GRB from our MCMC codes
* SN data from fitting or papers­­
* All the light curves in whatever bands are available should be plotted
* Sed and Spectra
* Maybe all the histograms of the full data sample to show where a particular one falls another thing that might be useful here is a comparison tool the user could enter their own data and then compare it to our data we could also have it generate plots
* we need to form to select all GRBS any with certain parameters
* we need links to the paper about the database and show how to cite it or to acknowledge it
* we could have a dashboard of the most downloaded or the most viewed content
* We need to have an intro explanation section
* We need to add footnotes these footnotes will be able to tell you more about the data
* We need to add absolute magnitude calculations this will be done from the apparent magnitude
* They need to add errors to the graphs
* We need to add errors on the tables
* I need to work on the best possible layout for the data in particular the graphs and the tables

**Contact Page:**

* We need a contact form
* We need a place or a way for people to send or upload their new data
* If we are going to have a contact form we need to check what we need to workout regarding GDPR in particular because we would be saving peoples email addresses and their names
* If we want to allow people to have accounts we need to work out how to encrypt them properly

**Guide Page:**

* One thing that opens supernova catalog uses is a list of things they have removed for example a if theres a GRB that we have new info for that shows that it didn't actually have an associated SN
* We need a page where we explain our cosmology and how we clean up and store the data and what conventions we use

**Data Pages:**

* We need observer tools like simulations of the expected flux at a certain date moon and sun angle locations observe ability from anywhere on earth etc
* We need a way to show when we have no spec or optical data other than just having a blank graph
* We need a comparative tool for maybe up to five grbs that control you all of the info side by side but how would you implement this
* Need to gather the optical X ray radio data along with any more data
* We need to add references and links to the ADS
* We need to use only one of the redshifts T 90s or any parameter for which there are multiple values

**Miscellaneous:**

* Should we get some art or logo design
* We need to eliminate duplicate values in the database
* We need to choose the units for each band or parameter
* All tables should be re orderable on whatever the person wants
* We need links to all our references
* We need to make sure that the back end can only be accessed by me and Antonio so that only we can add data and change the tool
* We need to have a method to flag those grbs that don't have SN
* We need to distinguish photometric vs spectroscopic SN associations
* We could maybe send a tweet when new data is added
* We need a button to be able to download any data
* We need a way for codes to be able to access all of the data from the website at once and to download this data, like an API
* We need a cool acronym
* We need to add an image or icon
* We need to have a home page that has a table of data that people can search easily