# Specification

Carreg Music wants users to be able to get access to the following information on the web application

# Suggested Data (NOT Normalised)

### Artists

* A picture of the artist
* A brief history of the artist.
* Any other artist information you deem relevant

### Music Tracks

* Its artist(s). Music tracks can be accredited to one of more artists (collaborations) (e.g. it could be ‘The Spice Girls’ or ‘The Spice Girls and Arctic Monkeys’).
* Full track title
* Original release date
* Highest position in the charts
* A ‘cover’ picture
* One genre that best describes the track
* Any other music track details you deem relevant

### Concerts

* Details of the artist(s) performing at the concert
* Date / Time of the concert
* Venue of the concert
* Any other concert details you deem relevant

### Users

* A unique username
* A password
* A nick-name they want to be known as
* A favourite genre of music
* An email address
* Country of origin

### Other data

* Ratings for music tracks (and who rated them)
* Comments for music tracks (and who commented)
* Details of collaborations (both tracks and concerts)
* Any linking tables / look-up tables / tables created as part of the normalisation process

# The Web Application

### Main Pages

* Home
* Music Tracks
* Artist
* Concert
* Search
* (When logged on) Your account

### Content/Links on all pages

* Every page should have the ability to login in / show whether a user is logged in the heading of the page
* Every page should have a quick search for music tracks
* Every page should have the same major navigation
* **Any mention of an artist, music track and a concert should link to the detail page for that item**

### Home Page

* Should change every time you go there – giving brief information from each page such as
  + Random music tracks
  + Concerts in the next week
  + Details of the ‘Just Announced’ concerts
  + Random artists

### Music Page

* Lists all music tracks
* A search to show all tracks from a given artist

### Music Detail Page - Each track should link to its detail page, which should contain

* All information about the track
* All comments for that track
* It should also have ‘If you rate this highly you might like’ section detailing 5 tracks that have also been rated highly by users, who have rated this track highly.
* The ability for a logged in user to add/edit/remove their comment (text based)
* The ability for a logged in user to add/edit/remove their rating (out of 5)

### Artist Page

* Lists all artists
* A search to list all artists with a given name

### Artist Detail Page - Each artist listed should link to an artist detail-page which should contain

* All information about the artist
* A list of all up-and-coming concerts for that artist (linked to its detail page)
* A list of all music tracks for that artist (linked to its detail page)

### Concert Page

* Lists all up-and-coming concerts
* A search to look for all concerts at a particular venue

### Concert Detail Page - Each concert should link to its own detail page which should show

* Further details about the concert
* Details of all artists at the concert (linked to their detail page)
* A google map showing the venue

### Search Page

* The search page must allow you to search artists, concerts and music tracks.
* It should allow you to do the following
  + Search for concerts by a given artist / a given venue in the future
  + Search for artists with a given music collaboration / appearing at a given concert venue
  + Search for music tracks with a given genre / specific rating / released since a given date
  + Search for music tracks with two criteria (such as a given genre and a given rating)
* Any results should show a summary of the details, and allow you to click for the appropriate detail-page. They should be able to sorted alphabetically (ascending or descending), and by date (where relevant)

### What logged in users get extra

* When the user is logged on, there should be some personalised information on the home page, based on their home location and their favourite genre of music. (hence changing the default home page information)
* Users can also rate and comment on music tracks when logged in.
* A link to a page allowing you to update or delete the user details on your account, and to close your account(this will make the account in-active and unable to login to that account, but will retain all account details and comments / ratings)