**Part 3:**

To complete the requirements of the software, the functions and classes of the system must be clearly displayed. Each listing is an instance of the listing class, and each contains an ID value, a price, a description and a listing type. They also have zero to many reviews, each of which has a text and a date. Each review only belongs to one listing, making the relationship between listings and reviews a one-to-many relationship. Each suburb has a name and description, and can contain zero to many listings. Each listing belongs to only one suburb, making the relationship between listings and suburbs another one-to-many relationship. Hosts have an ID, a first name and a last name, and can create, update or delete listings for their properties. A host may have one or more listings, but each listing belongs to one host or host family. This represents a one-to-many relationship between hosts and listings. Guests have a first name and a last name, and can place reviews or search the database. Each guest can place many reviews or searches, but each individual search or review is made by a singular guest. The search class extends the listing class, as the search returns only the listings that match the search parameters.

**Main system functions by class:**

Search:

* loadData()

Listing:

* getPrice()
* getDescription()
* getListingType()
* displayData()

Review:

* getReview()

Suburb:

* getSuburb()
* getDescription()