**Hans Services – System Specification**

Functional Requirements

The program should be able to perform the task below when:

1. Setting up a New Client

Priority: 1

Description: The program shall accept the name, address, telephone number, contact person and service(s) to be performed for each new client. The program will then generate a ID number and store it as well as the service(s) to be performed as a new record in the client’s service file. The rest of the data collected such as the name, address, telephone number and contact person will be stored as a new record in the client file

1. Adding a Job entry

Priority: 1

Description: The program shall allow the user to choose the client to be updated by letting them choose from the list of clients present in the system. The user will be given a choice to choose regular service or special service:

* Priority: 1 (If regular service)

The program shall accept the amount of waste that was collected from the client.  The service to be performed will be retrieved from the client’s service file(this was previously set up )and the amount due calculated and displayed on the screen. The clients name, service performed, the amount of waste and the amount due will be added as a new record in the jobs file.

* Priority 2: (If special service)

The program shall display a list of services for the user to choose from. The amount of waste that was collected will be accepted and the amount calculated. The clients name, service performed, the amount of waste and the amount due will be displayed added as a new record in the jobs file.

1. Accepting Payment

Priority: 1

Description: The program shall allow the user to choose the client paying by letting them choose from the list of clients present in the system. The amount being paid will be accepted and the clients name and payment will be saved as a new record in the client’s payment file.

1. Viewing Clients Balance

Priority: 1

Description: The program shall allow the user to choose the client by letting them choose from the list of clients present in the system. Then the amount outstanding or the amount saved from the transaction file will be displayed on the screen. This was calculated by subtracting the total payment form the total cost of jobs done.

1. Viewing Clients Information

Priority: 1

Description: The program shall allow the user to enter a client number or choose one client from the list of client names, and the name, client number, total amount of business generated, and the services chosen should be displayed on the screen.

Non-Functional

1. The program shall be available up to 23 hours per day
2. The program should have a response time of .13 seconds per unit request
3. The program should be able to be installed on any computer running the MS windows operating system
4. The system should be written in c programming language with a graphical user interface
5. The program will have an up time of approximately 99.9%
6. The system should be accompanied by a hard copy user manual