**SMA 2175 COMPUTER PROGRAMMING PROJECT**

**PROBLEM STATEMENT**

**2.2 EEE B1**

**GROUP 5**

**MEMBERS**

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**HOSPITAL ADMISSION PROBLEM STATEMENT**

The following is a program statement for admission in men only hospitals around Nairobi.

1. Identify the user's gender either male or female using Boolean expression. Only males will be admitted otherwise the program returns to 0.
2. Determine the age in which age cannot be less than 0 or greater than 120 hence age less than 0 or age above 120 will be printed invalid age.
3. If age is between 0 to 17 print "Enter your birth certificate number". If age is 18 and above print "Enter your ID number". Admission is only done for ages 65 and below.
4. For ages above 65 the program prints "You are above the required age bracket".
5. The program assumes we only have 4 hospitals namely Thika, Juja, Kahawa and Nairobi where the patients will be admitted.
6. For patients with weight 0 to 40 they will be admitted to Thika.
7. For patients with weight above 40 to 60 admitted to Juja. Those with weight above 60 to 80 admitted to Kahawa while those with weight above 80 to 100 admitted to Nairobi and weight above 100 is rendered invalid.
8. Each of the above mentioned hospitals has two wings i.e. Wing A and Wing B.
9. Patient’s height determines whether they will be admitted to Wing A or Wing B of the hospital they will be placed. Those with height 0 to 90 admitted to Wing A of their respective hospital while those above 90 admitted to Wing B of their respective hospitals. The height cannot be less than 0 or above 300 cm hence will be considered invalid.
10. The program will print the name and wing where the patient will be admitted.