Text

Description automatically generated with medium confidence

Informatics Institute of Technology

collobarates with

University Of Westminister

Database Systems

5COSC020C.1

Coursework

**Part – A and B**

Ananda Isuru Ariyarathna

Uow Number – w1869302

IIT Number – 20210062

Table of Contents

[GENERAL 2](#_Toc124083734)

[DOCTORS 2](#_Toc124083735)

[PATIENTS 7](#_Toc124083736)

[CONSULTATION 8](#_Toc124083737)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test No** | **Action** | **Inputs** | **Expected Output** | **Actual Output** | **Test Result** |
| **GENERAL** | | | | | |
| 01 | Add a new doctor | DA | Enter Name: | Enter Name: | Pass |
| 02 | Check case sensitivity | da | Enter Name: | Enter Name: | Pass |
| 03 | Check invalid input | 123 | Invalid Input | Invalid Input | Pass |
| **DOCTORS** | | | | | |
| 04 | Check Empty doctor Name | [ENTER] | Name cannot be empty | Name cannot be empty | Pass |
| 05 | Check invalid mobile number | num123 | Mobile Number must be a number | Mobile Number must be a number | Pass |
| 06 | Check invalid mobile number by length | 123456789 | Mobile Number must be 10 digits | Mobile Number must be 10 digits | Pass |
| 07 | Check date format | 12/02/200 | Date of birth is not in correct format. Please enter date of birth in correct format. Example 15-MAR-2000 | Date of birth is not in correct format. Please enter date of birth in correct format. Example 15-MAR-2000 | Pass |
| 08 | Add a doctor | >>DA  >>Isuru  >>Ariyarathna  >>13-Aug-2000  >>0702089820  >>DOC1234  >>medical dermatology  >>Available | Doctor added successfully | Doctor added successfully | Pass |
| 09 | Add doctor who has existing medical license number | >>DA  >>Jane  >>Mayor  >>19-Aug-1998  >>0772034520  >>DOC1234 | Medical Licence Number must be unique | Medical Licence Number must be unique | Pass |
| 10 | Delete a doctor | >>DD  >> DOC1234 | Doctor Isuru Ariyarathna deleted successfully.  Doctors Panel not loaded yet  No Doctors Available | Doctor Isuru Ariyarathna deleted successfully.  Doctors Panel not loaded yet  No Doctors Available | Pass |
| 11 | Delete a not available doctor | >>DD  >> DOC1299 | Doctor not found by Medical Licence Number: DOC1299 | Doctor not found by Medical Licence Number: DOC1299 | Pass |
| 12 | Add more doctors | >>DA  >>Jhon  >>Ruwait  >>12-Aug-2000  >>0702086820  >>DOC1288  >>medical dermatology  >>Available  >>DA  >>Keran  >>Jhavi  >>12-Mar-2000  >>0772086820  >>DOC1934  >>medical dermatology  >>Available  >>DA  >>David  >>Nuwik  >>30-Nov-2000  >>0782090820  >>DOC2344  >>medical dermatology  >>Available | Doctor added successfully  Doctor added successfully  Doctor added successfully | Doctor added successfully  Doctor added successfully  Doctor added successfully | Pass |
| 13 | Print list of all doctors | DP | Doctor 1: Name: Keran Surname: Jhavi DOB: 12-March-2000 Age: 22 Mobile Number: 0772086820 Medical Licence Number: DOC1934 Specialisation: medical dermatology  Doctor 2: Name: David Surname: Nuwik DOB: 30-November-2000 Age: 22 Mobile Number: 0782090820 Medical Licence Number: DOC2344 Specialisation: medical dermatology  Doctor 3: Name: Jhon Surname: Ruwait DOB: 12-August-2000 Age: 22 Mobile Number: 0702086820 Medical Licence Number: DOC1288 Specialisation: medical dermatology | Doctor 1: Name: Keran Surname: Jhavi DOB: 12-March-2000 Age: 22 Mobile Number: 0772086820 Medical Licence Number: DOC1934 Specialisation: medical dermatology  Doctor 2: Name: David Surname: Nuwik DOB: 30-November-2000 Age: 22 Mobile Number: 0782090820 Medical Licence Number: DOC2344 Specialisation: medical dermatology  Doctor 3: Name: Jhon Surname: Ruwait DOB: 12-August-2000 Age: 22 Mobile Number: 0702086820 Medical Licence Number: DOC1288 Specialisation: medical dermatology | Pass |
| 14 | Save Doctors to a file | DS | Doctors saved to file successfully | Doctors saved to file successfully | Pass |
| 15 | Load Doctors from file | DL | Doctor added successfully  Doctor added successfully  Doctor added successfully  Doctors loaded successfully | Doctor added successfully  Doctor added successfully  Doctor added successfully  Doctors loaded successfully | Pass |
| 16 | Load 10 Doctors from file | DL | Doctor added successfully  Doctor added successfully  Doctor added successfully  Doctor added successfully  Doctor added successfully  Doctor added successfully  Doctor added successfully  Doctor added successfully  Doctor added successfully  Doctor added successfully  Doctors loaded successfully | Doctor added successfully  Doctor added successfully  Doctor added successfully  Doctor added successfully  Doctor added successfully  Doctor added successfully  Doctor added successfully  Doctor added successfully  Doctor added successfully  Doctor added successfully  Doctors loaded successfully | Pass |
| 17 | Try to add more than 10 doctors | DA | No more doctors can be added | No more doctors can be added | Pass |
| 18 | Sort doctors by surname | DL  DSO  DP | Doctor added successfully  Doctor added successfully  Doctor added successfully  Doctor added successfully  Doctor added successfully  Doctor added successfully  Doctor added successfully  Doctor added successfully  Doctor added successfully  Doctor added successfully  Doctors loaded successfully  Doctors sorted by surname.  Doctor 1: Name: Kamal Surname: Bhatia DOB: 12-May-2004 Age: 19 Mobile Number: 0702010062 Medical Licence Number: ID323235 Specialisation: Cosmetic-Dermatology  Doctor 2: Name: Mary Surname: Bland DOB: 12-August-2002 Age: 21 Mobile Number: 0702010061 Medical Licence Number: ID323234 Specialisation: Paediatric-Dermatology  Doctor 3: Name: Sandra Surname: Bland DOB: 12-December-1992 Age: 31 Mobile Number: 0702010063 Medical Licence Number: ID323236 Specialisation: Surgical-Dermatology  Doctor 4: Name: Janet Surname: Bower DOB: 12-January-1997 Age: 26 Mobile Number: 0702010066 Medical Licence Number: ID323239 Specialisation: Cosmetic-Dermatology  Doctor 5: Name: Louise Surname: Daniel DOB: 12-May-1992 Age: 31 Mobile Number: 0702010067 Medical Licence Number: ID323240 Specialisation: Cosmetic-Dermatology  Doctor 6: Name: Kiran Surname: Gov DOB: 12-August-2003 Age: 20 Mobile Number: 0702010065 Medical Licence Number: ID323238 Specialisation: Medical-Dermatology  Doctor 7: Name: Anne Surname: Jenifer DOB: 12-January-2002 Age: 21 Mobile Number: 0702010060 Medical Licence Number: ID323233 Specialisation: Cosmetic-Dermatology  Doctor 8: Name: Anne Surname: Jenifer DOB: 12-January-2002 Age: 21 Mobile Number: 0702010060 Medical Licence Number: ID323233 Specialisation: Cosmetic-Dermatology  Doctor 9: Name: Samuel Surname: Mandi DOB: 12-November-1994 Age: 29 Mobile Number: 0702010064 Medical Licence Number: ID323237 Specialisation: Cosmetic-Dermatology  Doctor 10: Name: Valerie Surname: Nowell DOB: 12-February-1997 Age: 26 Mobile Number: 0702010068 Medical Licence Number: ID323241 Specialisation: Cosmetic-Dermatology | Doctor added successfully  Doctor added successfully  Doctor added successfully  Doctor added successfully  Doctor added successfully  Doctor added successfully  Doctor added successfully  Doctor added successfully  Doctor added successfully  Doctor added successfully  Doctors loaded successfully  Doctors sorted by surname.  Doctor 1: Name: Kamal Surname: Bhatia DOB: 12-May-2004 Age: 19 Mobile Number: 0702010062 Medical Licence Number: ID323235 Specialisation: Cosmetic-Dermatology  Doctor 2: Name: Mary Surname: Bland DOB: 12-August-2002 Age: 21 Mobile Number: 0702010061 Medical Licence Number: ID323234 Specialisation: Paediatric-Dermatology  Doctor 3: Name: Sandra Surname: Bland DOB: 12-December-1992 Age: 31 Mobile Number: 0702010063 Medical Licence Number: ID323236 Specialisation: Surgical-Dermatology  Doctor 4: Name: Janet Surname: Bower DOB: 12-January-1997 Age: 26 Mobile Number: 0702010066 Medical Licence Number: ID323239 Specialisation: Cosmetic-Dermatology  Doctor 5: Name: Louise Surname: Daniel DOB: 12-May-1992 Age: 31 Mobile Number: 0702010067 Medical Licence Number: ID323240 Specialisation: Cosmetic-Dermatology  Doctor 6: Name: Kiran Surname: Gov DOB: 12-August-2003 Age: 20 Mobile Number: 0702010065 Medical Licence Number: ID323238 Specialisation: Medical-Dermatology  Doctor 7: Name: Anne Surname: Jenifer DOB: 12-January-2002 Age: 21 Mobile Number: 0702010060 Medical Licence Number: ID323233 Specialisation: Cosmetic-Dermatology  Doctor 8: Name: Anne Surname: Jenifer DOB: 12-January-2002 Age: 21 Mobile Number: 0702010060 Medical Licence Number: ID323233 Specialisation: Cosmetic-Dermatology  Doctor 9: Name: Samuel Surname: Mandi DOB: 12-November-1994 Age: 29 Mobile Number: 0702010064 Medical Licence Number: ID323237 Specialisation: Cosmetic-Dermatology  Doctor 10: Name: Valerie Surname: Nowell DOB: 12-February-1997 Age: 26 Mobile Number: 0702010068 Medical Licence Number: ID323241 Specialisation: Cosmetic-Dermatology | Pass |
| **PATIENTS** | | | | | |
| 19 | Add a patient | PA | Enter Patient Name: Mary  Enter Patient Surname: Bland  Enter Date of Birth [dd-MMM-yyyy]: 13-Aug-2000  Enter Mobile Number: 0702010062  Enter Patient ID: P00003  Enter Gender: Female  Patient Mary Bland added successfully. | Enter Patient Name: Mary  Enter Patient Surname: Bland  Enter Date of Birth [dd-MMM-yyyy]: 13-Aug-2000  Enter Mobile Number: 0702010062  Enter Patient ID: P00003  Enter Gender: Female  Patient Mary Bland added successfully. | Pass |
| 20 | Delete a patient | PD | Enter Patient ID: P00003  Doctor Mary Bland deleted successfully. | Enter Patient ID: P00003  Doctor Mary Bland deleted successfully. | Pass |
| 21 | Delete a not available patient | PD | Enter Patient ID: P00001  Patient not found by Medical Licence Number: P00001 | Enter Patient ID: P00001  Patient not found by Medical Licence Number: P00001 | Pass |
| 22 | Save patients to file | SS | Patients saved to file successfully | Patients saved to file successfully | Pass |
| 23 | Load patients from Files | PL | Patient Kamal Bhatia added successfully.  Patient Mary Bland added successfully.  Patient Sandra Bland added successfully.  Patient Janet Bower added successfully.  Patient Mary Bower added successfully.  Patient Karin Bruce added successfully.  Patient Louise Daniel added successfully.  Patient Anne Frikz added successfully.  Patient Kiran Gov added successfully.  Patient Oliver Jannet added successfully.  Patient Anne Jenifer added successfully.  Patient Samuel Mandi added successfully.  Patient Valerie Nowell added successfully.  Patient Jecob Nower added successfully.  Patients loaded successfully | Patient Kamal Bhatia added successfully.  Patient Mary Bland added successfully.  Patient Sandra Bland added successfully.  Patient Janet Bower added successfully.  Patient Mary Bower added successfully.  Patient Karin Bruce added successfully.  Patient Louise Daniel added successfully.  Patient Anne Frikz added successfully.  Patient Kiran Gov added successfully.  Patient Oliver Jannet added successfully.  Patient Anne Jenifer added successfully.  Patient Samuel Mandi added successfully.  Patient Valerie Nowell added successfully.  Patient Jecob Nower added successfully.  Patients loaded successfully | Pass |
| **CONSULTATION** | | | | | |
| 24 | Add a new Consultation | AC | Enter Consultation ID:  CONS000  Enter Session ID:  00015  Enter Doctor ID:  ID323233  Enter Patient ID:  P00002  Enter Duration:  0.25  Enter Notes:  I have some red pimples on my face  Consultation added successfully | Enter Consultation ID:  CONS000  Enter Session ID:  00015  Enter Doctor ID:  ID323233  Enter Patient ID:  P00002  Enter Duration:  0.25  Enter Notes:  I have some red pimples on my face  Consultation added successfully | Pass |
| 25 | Add consultation to not available session | AC | Enter Consultation ID:  CONS003  Enter Session ID:  0001A  Session not found | Enter Consultation ID:  CONS003  Enter Session ID:  0001A  Session not found | Pass |
| 26 | Add consultation with invalid duration | AC | Enter Consultation ID:  CONS002  Enter Session ID:  00004  Enter Doctor ID:  ID323240  Enter Patient ID:  P00007  Enter Duration:  abc  Invalid input | Enter Consultation ID:  CONS002  Enter Session ID:  00004  Enter Doctor ID:  ID323240  Enter Patient ID:  P00007  Enter Duration:  abc  Invalid input | Pass |
| 27 | Delete a consultation | DC | Enter Consultation ID:  CONS000  Consultation deleted successfully | Enter Consultation ID:  CONS000  Consultation deleted successfully | Pass |
| 27 | Add already existing consultation ID | AC | Enter Consultation ID:  CONS000  Consultation ID already exists | Enter Consultation ID:  CONS000  Consultation ID already exists | Pass |