DATA BASE RELATIONS

**HOSPITALS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Hospital ID** | **Name** | **Street** | **Number** | **City** | **Postcode** | **Country** |
| 1 | Cleveland clinic | Euclid Avenue | 9500 | Cleveland, OH | 44195-5108 | USA |
| 2 | Massachusetts General hospital | Fruit Street | 55 | Boston, Massachusetts | 02114-2696 | USA |
| 3 | John Hopkins hospital | Orleans Street | 1800 | Baltimore, MD | 21287-2182 | USA |

**DOCTORS**

|  |  |  |
| --- | --- | --- |
| **Doctor ID** | **Doctor’s registration number** | **Specialization** |
| 1 | 015879 | Cardiology |
| 2 | 235689 | Endocrinology |
| 3 | 123694 | Gastroenterology |
| 4 | 125689 | Oncology |

**PATIENTS**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Patient ID** | **Birth date** | **Weight** | **Height** | **Gender** | **Pathology** | **Blood type** | **Date of addition to the program** | **Life expectancy** | **Score** | **Hospital ID** |
| 1 | 4/09/1989 | 80 kg | 1.89 m | Male | Diabetes | AB+ | 12/10/2004 | 2020-09-02 | 4 | 1 |
| 2 | 24/09/1987 | 87 kg | 1.90 m | Male | Skin cancer | B+ | 4/03/2000 | 2019-01-01 | 2 | 1 |
| 3 | 6/12/1956 | 45kg | 1.50 m | Female | Hepatitis | AB- | 6/11/1997 | 2030-03-03 | 30 | 3 |
| 4 | 7/05/1974 | 62kg | 1.65 m | Female | Coronary arterie disease | AB+ | 1/03/2005 | 2030-02-02 | 1 | 2 |
| 5 | 8/07/1990 | 70kg | 1.70 m | Male | Leukemia | O- | 17/09/2010 | 2040-03-03 | 55 | 2 |

**DONORS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Donor ID** | **Birth date** | **Weight** | **Height** | **Gender** | **Dead or alive** | **Blood type** |
| 1 | 24/09/1987 | 56 kg | 170 | Male | Alive | B- |
| 2 | 6/12/1956 | 80 kg | 185 | Male | Dead | AB- |
| 3 | 25/09/1994 | 45 kg | 1.60 m | Female | Dead | O- |

**ORGANS**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Organ ID** | **Name of organ** | **Weight** | **Type of donation (total/partial)** | **Requested organ ID** | **Donor ID** |
| 1 | Skin | 0.84kg | Partial | 5 | 1 |
| 2 | Heart | 0.27 kg | Total | 2 | 3 |
| 3 | Pancreas | 0.1 kg | Total | 3 | 2 |
| 4 | collagen | 0.15 kg | Partial (only one) | 7 | 3 |
| 5 | Bone marrow | 500 ml | Partial | 4 | 2 |

**REQUESTED ORGANS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Requested organ ID** | **Name of organ** | **Max\_Weight** | **Min\_weight** | **Patient ID** |
| 1 | Liver | 2 kg | 0.75kg | 3 |
| 2 | Heart | 0.3 kg | 0.25 kg | 4 |
| 3 | Pancreas | 0.15 kg | 0.07 kg | 1 |
| 4 | Bone marrow | 750 ml | 200 ml | 5 |
| 5 | Skin | 2 kg | 0.5 kg | 2 |
| 6 | Pancreas | 0.15 kg | 0.07 kg | 5 |
| 7 | collagen | 0.2 kg | 0.1 kg | 4 |
| 8 | Skin | 1kg | 0.25 kg | 2 |

**ANIMAL TISSUES**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Animal ID** | **Name of the animal** | **Type of tissue** | **Patient pathology** | **Time that the organ lasts on** |
| 1 | Pig | skin | Skin cancer | 2019-02-02 |
| 2 | Pig | collagen | Skin cancer | 2020-03-02 |
| 3 | Baboon | collagen | Broken bone | 2030-03-03 |
| 4 | Sheep | skin | Skin burns | 2019-04-05 |

**DOCTORS/HOSPITALS**

|  |  |
| --- | --- |
| **Doctor\_id** | Hospital\_id |
| 1 | 2 |
| 2 | 2 |
| 3 | 3 |
| 2 | 1 |
| 4 | 1 |

|  |  |
| --- | --- |
| **Doctor\_id** | **Patient ID** |
| 2 | 1 |
| 1 | 4 |
| 3 | 1 |
| 4 | 2 |
| 3 | 3 |
| 2 | 3 |
| 1 | 5 |

|  |  |
| --- | --- |
| **Requested organ ID** | **Animal ID** |
| 8 | 1 |
| 5 | 1 |
| 7 | 3 |
| 8 | 4 |
| 7 | 2 |

**DOCTORS/PATIENTS REQUESTED ORGANS/ANIMALS**