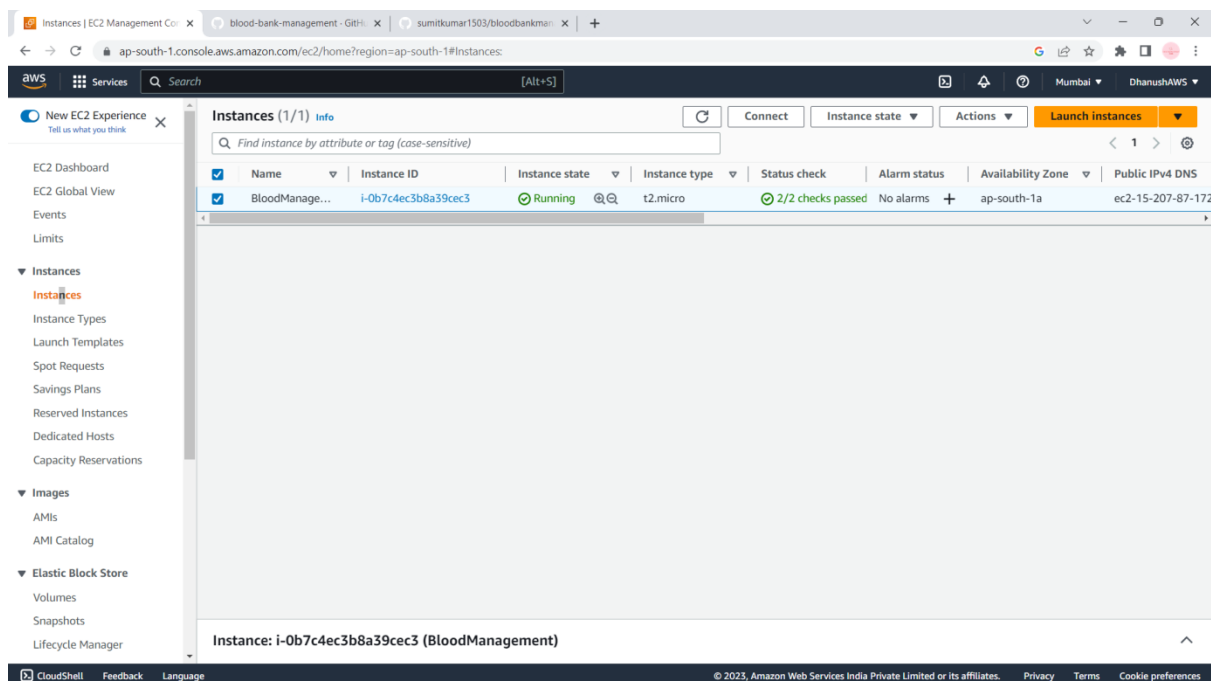


# Blood Bank Management – MAIN PROJECT -by N.S.Dhanush

**AIM:** To create a Blood Bank management system using python and deploying it using the AWS.

**RESOURCES USED:** EC2, Linux Commands, Ubuntu

**STEP 1:** Create an instance named **BloodManagement** with the **Ubuntu AMI** such that we can use the Linux commands.



**STEP2:** Using the remote machine software also called as **PUTTY** connect to the EC2 machine using the given key pair.

**STEP 3:** Now create a website or an application using the HTML,CSS and python which has the ability to store the information of the Donors, Patients and the Admin.

- This application allows the user to login through the username and the password.
- This application also give the information about the Blood Quantity available for the Request from the console.
- The users can upload their information regarding the amount of blood they needed and they can also upload the amount of blood they are donating.
- The admin account is the master account where he can accept and manage all the requests from the donors and the patients who request the blood.
- This application automatically updates the dashboard which shows the amount of blood available for each blood group namely A+, A-, O+, O-,B+, B-,AB-, AB+.

### **SOURCE CODE:**

```
/* =====  
#FONT  
===== */  
/*  
.font-roboto {  
  font-family: "Roboto", "Arial", "Helvetica Neue", sans-serif;  
}  
  
.font-poppins {  
  font-family: "Poppins", "Arial", "Helvetica Neue", sans-serif;  
}  
  
.font-opensans {  
  font-family: "Open Sans", "Arial", "Helvetica Neue", sans-serif;  
}  
  
/* =====  
#GRID
```

```

=====
*/
.row {
  display: -webkit-box;
  display: -webkit-flex;
  display: -moz-box;
  display: -ms-flexbox;
  display: flex;
  -webkit-flex-wrap: wrap;
  -ms-flex-wrap: wrap;
  flex-wrap: wrap;
}

.row .col-2:last-child .input-group-desc {
  margin-bottom: 0;
}

.row-space {
  -webkit-box-pack: justify;
  -webkit-justify-content: space-between;
  -moz-box-pack: justify;
  -ms-flex-pack: justify;
  justify-content: space-between;
}

.row-refine {
  margin: 0 -15px;
}

.row-refine .col-3 .input-group-desc,
.row-refine .col-9 .input-group-desc {
  margin-bottom: 0;
}

.col-2 {
  width: -webkit-calc((100% - 30px) / 2);
  width: -moz-calc((100% - 30px) / 2);
  width: calc((100% - 30px) / 2);
}

@media (max-width: 767px) {
  .col-2 {
    width: 100%;
  }
}

.form-row {
  display: -webkit-box;

```

```
display: -webkit-flex;
display: -moz-box;
display: -ms-flexbox;
display: flex;
-webkit-flex-wrap: wrap;
-ms-flex-wrap: wrap;
flex-wrap: wrap;
-webkit-box-align: center;
-webkit-align-items: center;
-moz-box-align: center;
-ms-flex-align: center;
align-items: center;
margin-bottom: 40px;
}

.form-row .name {
width: 125px;
color: #555;
font-size: 15px;
font-weight: 700;
}

.form-row .value {
width: -webkit-calc(100% - 125px);
width: -moz-calc(100% - 125px);
width: calc(100% - 125px);
}

@media (max-width: 767px) {
.form-row {
display: block;
}
.form-row .name,
.form-row .value {
display: block;
width: 100%;
}
.form-row .name {
margin-bottom: 7px;
}
}

.col-3,
.col-9 {
padding: 0 15px;
position: relative;
width: 100%;
min-height: 1px;
}
```

```

}

.col-3 {
  -webkit-box-flex: 0;
  -webkit-flex: 0 0 25%;
  -moz-box-flex: 0;
  -ms-flex: 0 0 25%;
  flex: 0 0 25%;
  max-width: 25%;
}

@media (max-width: 767px) {
  .col-3 {
    -webkit-box-flex: 0;
    -webkit-flex: 0 0 35%;
    -moz-box-flex: 0;
    -ms-flex: 0 0 35%;
    flex: 0 0 35%;
    max-width: 35%;
  }
}

.col-9 {
  -webkit-box-flex: 0;
  -webkit-flex: 0 0 75%;
  -moz-box-flex: 0;
  -ms-flex: 0 0 75%;
  flex: 0 0 75%;
  max-width: 75%;
}

@media (max-width: 767px) {
  .col-9 {
    -webkit-box-flex: 0;
    -webkit-flex: 0 0 65%;
    -moz-box-flex: 0;
    -ms-flex: 0 0 65%;
    flex: 0 0 65%;
    max-width: 65%;
  }
}

/* =====
#BOX-SIZING
=====
*/
/**
 * More sensible default box-sizing:

```

```

* css-tricks.com/inheriting-box-sizing-probably-slightly-better-best-practice
*/
html {
  -webkit-box-sizing: border-box;
  -moz-box-sizing: border-box;
  box-sizing: border-box;
}

* {
  padding: 0;
  margin: 0;
}

*, *:before, *:after {
  -webkit-box-sizing: inherit;
  -moz-box-sizing: inherit;
  box-sizing: inherit;
}

/* =====
#RESET
=====
*/
/**
 * A very simple reset that sits on top of Normalize.css.
 */
body,
h1, h2, h3, h4, h5, h6,
blockquote, p, pre,
dl, dd, ol, ul,
figure,
hr,
fieldset, legend {
  margin: 0;
  padding: 0;
}

/**
 * Remove trailing margins from nested lists.
 */
li > ol,
li > ul {
  margin-bottom: 0;
}

/**
 * Remove default table spacing.
 */

```

```
table {
  border-collapse: collapse;
  border-spacing: 0;
}

/**
 * 1. Reset Chrome and Firefox behaviour which sets a `min-width: min-
content;`
 *   on fieldsets.
 */
fieldset {
  min-width: 0;
  /* [1] */
  border: 0;
}

button {
  outline: none;
  background: none;
  border: none;
}

/* =====
#PAGE WRAPPER
=====
*/
.page-wrapper {
  min-height: 100vh;
}

body {
  font-family: "Open Sans", "Arial", "Helvetica Neue", sans-serif;
  font-weight: 400;
  font-size: 14px;
}

h1, h2, h3, h4, h5, h6 {
  font-weight: 400;
}

h1 {
  font-size: 36px;
}

h2 {
  font-size: 30px;
}
```

```
h3 {
  font-size: 24px;
}

h4 {
  font-size: 18px;
}

h5 {
  font-size: 15px;
}

h6 {
  font-size: 13px;
}

/* =====
#BACKGROUND
=====
*/

.bg-blue {
  background: #2c6ed5;
}

.bg-red {
  background: #fa4251;
}

.bg-gra-01 {
  background: -webkit-gradient(linear, left bottom, left top, from(#fbc2eb),
to(#a18cd1));
  background: -webkit-linear-gradient(bottom, #fbc2eb 0%, #a18cd1 100%);
  background: -moz-linear-gradient(bottom, #fbc2eb 0%, #a18cd1 100%);
  background: -o-linear-gradient(bottom, #fbc2eb 0%, #a18cd1 100%);
  background: linear-gradient(to top, #fbc2eb 0%, #a18cd1 100%);
}

.bg-gra-02 {
  background: -webkit-gradient(linear, left bottom, right top, from(#fc2c77),
to(#6c4079));
  background: -webkit-linear-gradient(bottom left, #fc2c77 0%, #6c4079 100%);
  background: -moz-linear-gradient(bottom left, #fc2c77 0%, #6c4079 100%);
  background: -o-linear-gradient(bottom left, #fc2c77 0%, #6c4079 100%);
  background: linear-gradient(to top right, #fc2c77 0%, #6c4079 100%);
}

.bg-gra-03 {
```



```
background: -webkit-gradient(linear, left bottom, right top, from(#08aeea),
to(#b721ff));
background: -webkit-linear-gradient(bottom left, #08aeea 0%, #b721ff 100%);
background: -moz-linear-gradient(bottom left, #08aeea 0%, #b721ff 100%);
background: -o-linear-gradient(bottom left, #08aeea 0%, #b721ff 100%);
background: linear-gradient(to top right, #08aeea 0%, #b721ff 100%);
}

/* =====
#SPACING
=====
*/

.p-t-100 {
padding-top: 100px;
}

.p-t-130 {
padding-top: 130px;
}

.p-t-180 {
padding-top: 180px;
}

.p-t-45 {
padding-top: 45px;
}

.p-t-20 {
padding-top: 20px;
}

.p-t-15 {
padding-top: 15px;
}

.p-t-10 {
padding-top: 10px;
}

.p-t-30 {
padding-top: 30px;
}

.p-b-100 {
padding-bottom: 100px;
}
```

```
.p-b-50 {
  padding-bottom: 50px;
}

.m-r-45 {
  margin-right: 45px;
}

.m-r-55 {
  margin-right: 55px;
}

.m-b-55 {
  margin-bottom: 55px;
}

/* =====
#WRAPPER
=====
*/
.wrapper {
  margin: 0 auto;
}

.wrapper--w960 {
  max-width: 960px;
}

.wrapper--w790 {
  max-width: 790px;
}

.wrapper--w780 {
  max-width: 780px;
}

.wrapper--w680 {
  max-width: 680px;
}

/* =====
#BUTTON
=====
*/
.btn {
  display: inline-block;
  line-height: 50px;
  padding: 0 50px;
```

```
-webkit-transition: all 0.4s ease;
-o-transition: all 0.4s ease;
-moz-transition: all 0.4s ease;
transition: all 0.4s ease;
cursor: pointer;
font-size: 15px;
text-transform: uppercase;
font-weight: 700;
color: #fff;
font-family: inherit;
}
```

```
.btn--radius {
  -webkit-border-radius: 3px;
  -moz-border-radius: 3px;
  border-radius: 3px;
}
```

```
.btn--radius-2 {
  -webkit-border-radius: 5px;
  -moz-border-radius: 5px;
  border-radius: 5px;
}
```

```
.btn--pill {
  -webkit-border-radius: 20px;
  -moz-border-radius: 20px;
  border-radius: 20px;
}
```

```
.btn--green {
  background: #57b846;
}
```

```
.btn--green:hover {
  background: #4dae3c;
}
```

```
.btn--blue {
  background: #4272d7;
}
```

```
.btn--blue:hover {
  background: #3868cd;
}
```

```
.btn--red {
  background: #ff4b5a;
}
```

```

}

.btn--red:hover {
  background: #eb3746;
}

/* =====
#DATE PICKER
===== */
td.active {
  background-color: #2c6ed5;
}

input[type="date" i] {
  padding: 14px;
}

.table-condensed td, .table-condensed th {
  font-size: 14px;
  font-family: "Roboto", "Arial", "Helvetica Neue", sans-serif;
  font-weight: 400;
}

.daterangepicker td {
  width: 40px;
  height: 30px;
}

.daterangepicker {
  border: none;
  -webkit-box-shadow: 0px 8px 20px 0px rgba(0, 0, 0, 0.15);
  -moz-box-shadow: 0px 8px 20px 0px rgba(0, 0, 0, 0.15);
  box-shadow: 0px 8px 20px 0px rgba(0, 0, 0, 0.15);
  display: none;
  border: 1px solid #e0e0e0;
  margin-top: 5px;
}

.daterangepicker::after, .daterangepicker::before {
  display: none;
}

.daterangepicker thead tr th {
  padding: 10px 0;
}

.daterangepicker .table-condensed th select {

```

```

border: 1px solid #ccc;
-webkit-border-radius: 3px;
-moz-border-radius: 3px;
border-radius: 3px;
font-size: 14px;
padding: 5px;
outline: none;
}

/* =====
#FORM
=====
*/
input {
  outline: none;
  margin: 0;
  border: none;
  -webkit-box-shadow: none;
  -moz-box-shadow: none;
  box-shadow: none;
  width: 100%;
  font-size: 14px;
  font-family: inherit;
}

.radio-container {
  display: inline-block;
  position: relative;
  padding-left: 30px;
  cursor: pointer;
  font-size: 16px;
  color: #666;
  -webkit-user-select: none;
  -moz-user-select: none;
  -ms-user-select: none;
  user-select: none;
}

.radio-container input {
  position: absolute;
  opacity: 0;
  cursor: pointer;
}

.radio-container input:checked ~ .checkmark {
  background-color: #e5e5e5;
}

```

```
.radio-container input:checked ~ .checkmark:after {
  display: block;
}

.radio-container .checkmark:after {
  top: 50%;
  left: 50%;
  -webkit-transform: translate(-50%, -50%);
  -moz-transform: translate(-50%, -50%);
  -ms-transform: translate(-50%, -50%);
  -o-transform: translate(-50%, -50%);
  transform: translate(-50%, -50%);
  width: 12px;
  height: 12px;
  -webkit-border-radius: 50%;
  -moz-border-radius: 50%;
  border-radius: 50%;
  background: #57b846;
}

.checkmark {
  position: absolute;
  top: 50%;
  -webkit-transform: translateY(-50%);
  -moz-transform: translateY(-50%);
  -ms-transform: translateY(-50%);
  -o-transform: translateY(-50%);
  transform: translateY(-50%);
  left: 0;
  height: 20px;
  width: 20px;
  background-color: #e5e5e5;
  -webkit-border-radius: 50%;
  -moz-border-radius: 50%;
  border-radius: 50%;
  -webkit-box-shadow: inset 0px 1px 3px 0px rgba(0, 0, 0, 0.08);
  -moz-box-shadow: inset 0px 1px 3px 0px rgba(0, 0, 0, 0.08);
  box-shadow: inset 0px 1px 3px 0px rgba(0, 0, 0, 0.08);
}

.checkmark:after {
  content: "";
  position: absolute;
  display: none;
}

.input--style-5 {
  background: #e5e5e5;
}
```

```
    line-height: 50px;
    -webkit-border-radius: 5px;
    -moz-border-radius: 5px;
    border-radius: 5px;
    padding: 0 22px;
    font-size: 16px;
    color: #555;
}

.input-group-desc {
    position: relative;
}

@media (max-width: 767px) {
    .input-group-desc {
        margin-bottom: 40px;
    }
}

.input-group {
    position: relative;
    margin: 0;
}

.label {
    color: #555;
    font-size: 15px;
    font-weight: 700;
}

.label--block {
    width: 100%;
}

.label--desc {
    position: absolute;
    text-transform: capitalize;
    display: block;
    color: #999;
    font-size: 14px;
    margin: 0;
    margin-top: 7px;
    left: 0;
}

/* =====
#SELECT2
```

```

=====
*/
.select--no-search .select2-search {
  display: none !important;
}

.select2-container--open .select2-dropdown--below {
  border: none;
  -webkit-border-radius: 3px;
  -moz-border-radius: 3px;
  border-radius: 3px;
  -webkit-box-shadow: 0px 8px 20px 0px rgba(0, 0, 0, 0.15);
  -moz-box-shadow: 0px 8px 20px 0px rgba(0, 0, 0, 0.15);
  box-shadow: 0px 8px 20px 0px rgba(0, 0, 0, 0.15);
  border: 1px solid #e0e0e0;
  margin-top: 5px;
  overflow: hidden;
}

.select2-container--default .select2-results__option {
  padding-left: 22px;
}

.rs-select2 .select2-container {
  width: 100% !important;
  outline: none;
  background: #e5e5e5;
  -webkit-border-radius: 5px;
  -moz-border-radius: 5px;
  border-radius: 5px;
}

.rs-select2 .select2-container .select2-selection--single {
  outline: none;
  border: none;
  height: 50px;
  background: transparent;
}

.rs-select2 .select2-container .select2-selection--single .select2-
selection__rendered {
  line-height: 50px;
  padding-left: 0;
  color: #555;
  font-size: 16px;
  font-family: inherit;
  padding-left: 22px;
  padding-right: 50px;
}

```



```

}

.rs-select2 .select2-container .select2-selection--single .select2-
selection__arrow {
  height: 50px;
  right: 15px;
  display: -webkit-box;
  display: -webkit-flex;
  display: -moz-box;
  display: -ms-flexbox;
  display: flex;
  -webkit-box-pack: center;
  -webkit-justify-content: center;
  -moz-box-pack: center;
  -ms-flex-pack: center;
  justify-content: center;
  -webkit-box-align: center;
  -webkit-align-items: center;
  -moz-box-align: center;
  -ms-flex-align: center;
  align-items: center;
}

.rs-select2 .select2-container .select2-selection--single .select2-
selection__arrow b {
  display: none;
}

.rs-select2 .select2-container .select2-selection--single .select2-
selection__arrow:after {
  font-family: "Material-Design-Iconic-Font";
  content: '\f2f9';
  font-size: 24px;
  color: #999;
  -webkit-transition: all 0.4s ease;
  -o-transition: all 0.4s ease;
  -moz-transition: all 0.4s ease;
  transition: all 0.4s ease;
}

.rs-select2 .select2-container.select2-container--open .select2-selection--
single .select2-selection__arrow::after {
  -webkit-transform: rotate(-180deg);
  -moz-transform: rotate(-180deg);
  -ms-transform: rotate(-180deg);
  -o-transform: rotate(-180deg);
  transform: rotate(-180deg);
}

```

```
/* =====  
#TITLE  
===== */  
.  
title {  
  font-size: 24px;  
  text-transform: uppercase;  
  font-weight: 700;  
  text-align: center;  
  color: #fff;  
}  
  
/* =====  
#CARD  
===== */  
.  
card {  
  -webkit-border-radius: 3px;  
  -moz-border-radius: 3px;  
  border-radius: 3px;  
  background: #fff;  
}  
  
.  
card-5 {  
  background: #fff;  
  -webkit-border-radius: 10px;  
  -moz-border-radius: 10px;  
  border-radius: 10px;  
  -webkit-box-shadow: 0px 8px 20px 0px rgba(0, 0, 0, 0.15);  
  -moz-box-shadow: 0px 8px 20px 0px rgba(0, 0, 0, 0.15);  
  box-shadow: 0px 8px 20px 0px rgba(0, 0, 0, 0.15);  
}  
  
.  
card-5 .card-heading {  
  padding: 20px 0;  
  background: #1a1a1a;  
  -webkit-border-top-left-radius: 10px;  
  -moz-border-radius-topleft: 10px;  
  border-top-left-radius: 10px;  
  -webkit-border-top-right-radius: 10px;  
  -moz-border-radius-topright: 10px;  
  border-top-right-radius: 10px;  
}  
  
.  
card-5 .card-body {  
  padding: 52px 85px;  
  padding-bottom: 73px;
```

```

}

@media (max-width: 767px) {
  .card-5 .card-body {
    padding: 40px 30px;
    padding-bottom: 50px;
  }
}

```

This is the code for the Application made using the HTML,CSS and python.

### SOURCE CODE FOR THE RUNNING APPLICATION:

```

#!/usr/bin/env python
"""Django's command-line utility for administrative tasks."""
import os
import sys

def main():
    os.environ.setdefault('DJANGO_SETTINGS_MODULE',
        'bloodbankmanagement.settings')
    try:
        from django.core.management import execute_from_command_line
    except ImportError as exc:
        raise ImportError(
            "Couldn't import Django. Are you sure it's installed and "
            "available on your PYTHONPATH environment variable? Did you "
            "forget to activate a virtual environment?"
        ) from exc
    execute_from_command_line(sys.argv)

if __name__ == '__main__':
    main()

```

**STEP 4:** Now upload the above code in the github repository.

- After connecting to the putty use the linux commands given below
- **Sudo apt-get update** -> this code updates the virtual remote machine
- **Sudo apt-get install python** -> install python in putty
- **Git clone <Git Hub Link of Code>** -> clone the github code in putty.

```
ubuntu@ip-172-31-37-158:~$ git clone https://github.com/sumitkumar1503/bloodbank
management.git
Cloning into 'bloodbankmanagement'...
remote: Enumerating objects: 156, done.
remote: Counting objects: 100% (156/156), done.
remote: Compressing objects: 100% (92/92), done.
remote: Total 156 (delta 73), reused 144 (delta 61), pack-reused 0
Receiving objects: 100% (156/156), 1.40 MiB | 7.70 MiB/s, done.
Resolving deltas: 100% (73/73), done.
ubuntu@ip-172-31-37-158:~$
```

- **Python3 -m pip install -r requirements.txt** -> installs the requirements like the Django, Widget Tweaks, and the sqlparse, pytz, which are required for the Code to run.

```
ubuntu@ip-172-31-37-158:~$ git clone https://github.com/sumitkumar1503/bloodbank
management.git
Cloning into 'bloodbankmanagement'...
remote: Enumerating objects: 156, done.
remote: Counting objects: 100% (156/156), done.
remote: Compressing objects: 100% (92/92), done.
remote: Total 156 (delta 73), reused 144 (delta 61), pack-reused 0
Receiving objects: 100% (156/156), 1.40 MiB | 7.70 MiB/s, done.
Resolving deltas: 100% (73/73), done.
ubuntu@ip-172-31-37-158:~$ cd bloodbankmanagement
ubuntu@ip-172-31-37-158:~/bloodbankmanagement$ python3 -m pip install -r require
ments.txt
ERROR: unknown command "install" - maybe you meant "install"
ubuntu@ip-172-31-37-158:~/bloodbankmanagement$ python3 -m pip install -r require
ments.txt
Defaulting to user installation because normal site-packages is not writeable
Collecting asgiref==3.2.7
  Downloading asgiref-3.2.7-py2.py3-none-any.whl (19 kB)
Collecting Django==3.0.5
  Downloading Django-3.0.5-py3-none-any.whl (7.5 MB)
----- 7.5/7.5 MB 41.5 MB/s eta 0:00:00
Collecting django-widget-tweaks==1.4.6
  Downloading django-widget-tweaks-1.4.6-py2.py3-none-any.whl (11 kB)
Collecting pytz==2020.1
  Downloading pytz-2020.1-py2.py3-none-any.whl (510 kB)
----- 510.2/510.2 MB 41.4 MB/s eta 0:00:00
Collecting sqlparse==0.3.1
  Downloading sqlparse-0.3.1-py2.py3-none-any.whl (40 kB)
----- 40.5/40.5 KB 7.0 MB/s eta 0:00:00
Installing collected packages: pytz, django-widget-tweaks, sqlparse, asgiref, DJ
ango
WARNING: The script sqformat is installed in '/home/ubuntu/.local/bin' which
is not on PATH.
Consider adding this directory to PATH or, if you prefer to suppress this warn
ing, use --no-warn-script-location.
WARNING: The script django-admin is installed in '/home/ubuntu/.local/bin' which is not on PATH.
Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
Successfully installed Django-3.0.5 asgiref-3.2.7 django-widget-tweaks-1.4.6 pytz-2020.1 sqlparse-0.3.1
ubuntu@ip-172-31-37-158:~/bloodbankmanagement$
```

- **Sudo apt-get install python3-pip** -> install the pip required for the python3 to install certain packages.
- **Sudo apt install Pillow** -> required for the migrations of the contents of the file for the Django to run.
- **Python3 manage.py makemigrations**
- **Python3 manage.py migrate**

```

ubuntu@ip-172-31-37-158: ~/bloodbankmanagement
ubuntu@ip-172-31-37-158:~/bloodbankmanagement$ python3 manage.py makemigrations
SystemCheckError: System check identified some issues:

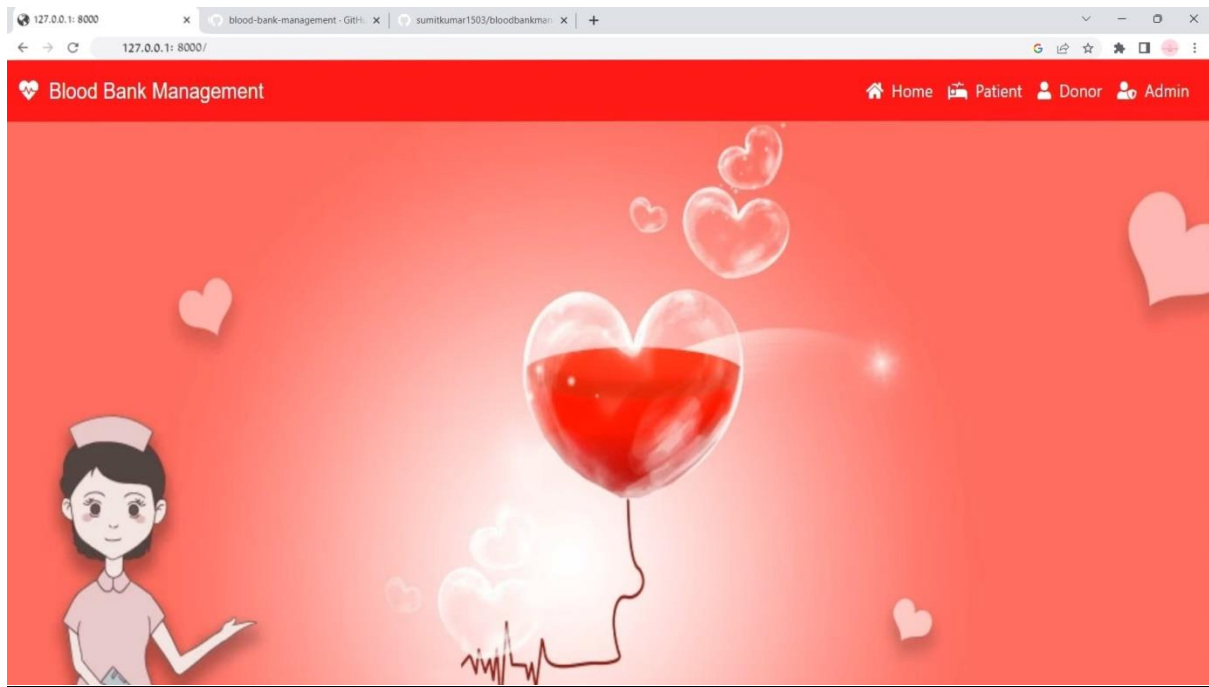
ERRORS:
donor.Donor.profile_pic: (fields.E210) Cannot use ImageField because Pillow is not installed.
HINT: Get Pillow at https://pypi.org/project/Pillow/ or run command "python -m pip install Pillow".
patient.Patient.profile_pic: (fields.E210) Cannot use ImageField because Pillow is not installed.
HINT: Get Pillow at https://pypi.org/project/Pillow/ or run command "python -m pip install Pillow".
ubuntu@ip-172-31-37-158:~/bloodbankmanagement$ python3 -m pip install Pillow
Defaulting to user installation because normal site-packages is not writeable
Collecting Pillow
  Downloading Pillow-9.5.0-cp310-cp310-manylinux_2_28_x86_64.whl (3.4 MB)
    ----- 3.4/3.4 MB 25.7 MB/s eta 0:00:00
Installing collected packages: Pillow
Successfully installed Pillow-9.5.0
ubuntu@ip-172-31-37-158:~/bloodbankmanagement$ python3 manage.py makemigrations
No changes detected
ubuntu@ip-172-31-37-158:~/bloodbankmanagement$ python3 manage.py migrate
Operations to perform:
  Apply all migrations: admin, auth, blood, contenttypes, donor, patient, sessions
Running migrations:
  Applying contenttypes.0001 initial... OK
  Applying auth.0001 initial... OK
  Applying admin.0001 initial... OK
  Applying admin.0002 logentry_remove_auto_add... OK
  Applying admin.0003 logentry_add_action_flag_choices... OK
  Applying contenttypes.0002 remove_content_type_name... OK
  Applying auth.0002 alter_permission_name_max_length... OK
  Applying auth.0003 alter_user_email_max_length... OK
  Applying auth.0004 alter_user_username_opts... OK
  Applying auth.0005 alter_user_last_login_null... OK
  Applying auth.0006 require_contenttypes_0002... OK
  Applying auth.0007 alter_validators_add_error_messages... OK
  Applying auth.0008 alter_user_username_max_length... OK
  Applying auth.0009 alter_user_last_name_max_length... OK
  Applying auth.0010 alter_group_name_max_length... OK
  Applying auth.0011 update_proxy_permissions... OK
  Applying patient.0001 initial... OK
  Applying donor.0001 initial... OK
  Applying blood.0001 initial... OK
  Applying blood.0002 bloodrequest... OK
  Applying blood.0003 auto_20210213_1053... OK
  Applying blood.0004 bloodrequest_date... OK
  Applying donor.0002 auto_20210213_1602... OK
  Applying sessions.0001 initial... OK
ubuntu@ip-172-31-37-158:~/bloodbankmanagement$

```

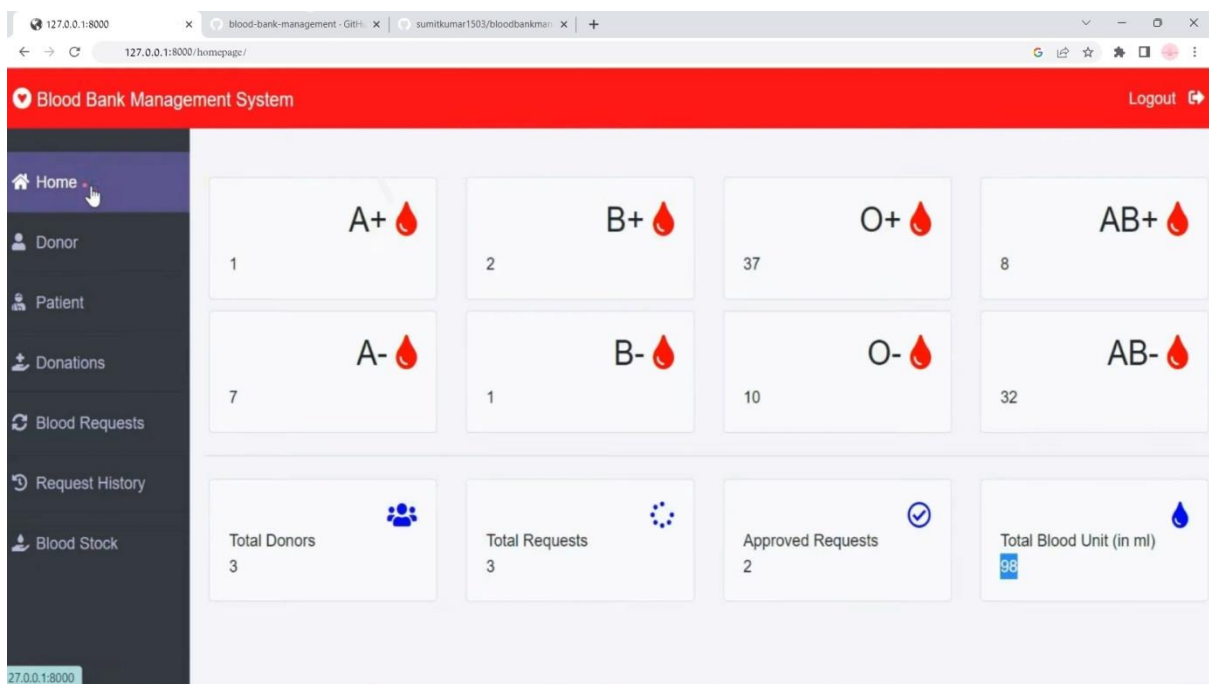
- **Python3 manage.py runserver** -> runs the deployment server at the link <https://127.0.0.1:8000> as this is the official server which is available till our remote machine is working.
- **Open the link or else we can open the Public IPv4 address of the EC2 instance to view the live website**

## OUTPUT:

This is the Homepage of the Application of the BloodBank management



- This is the Dashboard of the application



- This is the admin login page: all the data about the users and the donors and the patients can be available here.

The screenshot shows a web browser window with the URL `127.0.0.1:8000/adminlogin/`. The page has a red header bar with the text "Blood Bank Management" and navigation links for Home, Patient, Donor, and Admin. The main content area has a blue and purple gradient background. In the center, there is a white box titled "ADMIN LOGIN" with a black header. Inside this box, there are two input fields: "Username" and "Password", both with light blue borders. Below the password field is a red "LOGIN" button.

- This is the patient or the donor login page both are similar and they can change their login at the top right of the screen

The screenshot shows a web browser window with the URL `127.0.0.1:8000/patient/signup/`. The page has a red header bar with the text "Blood Bank Management" and navigation links for Home, Patient, Donor, and Admin. The main content area has a blue and purple gradient background. In the center, there is a white box titled "PATIENT SIGNUP" with a black header. Inside this box, there are four input fields: "First Name", "Last Name", "Username", and "Password", all with light gray borders.

The Users can view the quantity of the blood available for the request

**RESULTS:** Hence the application for the Blood Bank Management has been deployed using the AWS.