

PROFESSIONAL TRAINING REPORT
at
Sathyabama Institute of Science and Technology
(Deemed to be University)

Submitted in partial fulfillment of the requirements for the award
of Bachelor of Technology Degree in

Information Technology

By

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DEPARTMENT OF INFORMATION TECHNOLOGY
SCHOOL OF COMPUTING

SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Accredited with Grade "A" by NAAC
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**SATHYABAMA INSTITUTE OF SCIENCE AND
TECHNOLOGY**

(Established under Section 3 of UGC Act, 1956)
Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai -
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SCHOOL OF COMPUTING

BONAFIDE CERTIFICATE

This is to certify that this Project Report is the bonafide work of Yahya Ibrahim register no:38120095 who carried out the project entitled **"BLOOD BANK MANAGEMENT SYSTEM"** under our supervision

Head of the Department

Dr. R. SUBHASHINI M.E., Ph.D.,

Submitted for Viva voce Examination held on _____

Internal Examiner

External Examiner



DECLARATION

Yahya Ibrahim (Reg No:38120095) hereby declare that the Project Report entitled **"BLOOD BANK MANAGEMENT SYSTEM"** done by me

is submitted in partial fulfillment of the requirements for the award of Bachelor of Technology degree in Information Technology._____

DATE:

PLACE:

SIGNATURE OF THE CANDIDATE

ACKNOWLEDGEMENT

I am pleased to acknowledge my sincere thanks to Board of Management of **SATHYABAMA** for their kind encouragement in doing this project and for completing it successfully. I am grateful to them.

I convey my thanks to **Dr. T. SASIKALA M.E., Ph.D.**, Dean, School of Computing and **Dr. R. SUBHASHINI M.E.**, Head of the Department, Department of Computer Science and Engineering for providing us the necessary support and details at the right time during the progressive reviews.

I wish to express my thanks to all Teaching and Non-teaching staff members of the Department of **INFORMATION TECHNOLOGY** who were helpful in many ways for the completion of the project.

TRAINING CERTIFICATE



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TO WHOMSOEVER IT MAY CONCERN

This is to certify that YAHYA IBRAHIM student of SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY, BTECH/IT has undergone the Internship Training through online in our concern entitled PHP&SQL from 17th Aug 2020 to 31st Aug 2020 in relevant departments related to their academic studies.

During the above period, the performance was good & we wish great success in all your future endeavours.

Technology drives the world. We are the people who are behind the technology.

Authorised Signature



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Certificate of Completion

Awarded to

Yahya Ibrahim

Upon successfully Completed the Boot Camp Training in Machine Learning
for 45 Hrs from 01st Sep 2021 To 27th Sep 2021



Nikhil Barshikar
Director

Imarticus Learning Private Limited

www.imarticus.org

ABSTRACT

The main goal of the Blood Bank and Donor Management System project is to monitor Blood Bank data, Blood cells, Blood stock, Donor List. It manages all the Blood Bank, Donor, Blood stock data. The project is entirely administrative and therefore access is guaranteed only to the administrator. The project's aim is to develop an application system to minimize the manual work for Blood Bank, Donor, Blood Group management. It monitors all of the Blood Group information, Blood cells, Blood supply and Donor list.

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CHAPTER 1

INTRODUCTION

1.1 GENERAL The researchers aimed to develop and implement an online blood bank management system. This web-based application allows hospitals to make inventories of their blood bags online, thus, allowing each hospital to check the availability of blood bags anytime. Likewise, proper accounting of blood donors ensures that the expected blood transfusion service

1.2 ORGANIZATION OF THE REPORT

Chapter 2 deals with Aim, Scope of the present investigation. Chapter 3 details with General, Algorithm, Project description. Chapter 4 deals with Requirement, Role of Python and Results And Discussion. Chapter 5 deals with Conclusion and Future work.

CHAPTER 2

AIM & SCOPE

2.1 AIM

This applied research aims to design, develop and implement online blood bank management system.

2.2 SCOPE

The scope of the blood bank management system is to simplify and automate the process of searching for blood in case of emergency and maintain the records of blood donors, recipients, blood donation programs and blood stocks in the bank.

CHAPTER 3

ALGORITHMS AND METHODS

- 1.Homepage – For the homepage, you will be able to all the basic access in the whole system. Such as home, search, donor registration, login, contact us and about us.
- 2.Search – For the search, you will be able to search the blood type you want and the address of a donor person.
- 3.Donor Registration – For the donor registration, you will fill the forms. Such as your complete name, gender, date of birth, blood type, phone number, email address, home address and etc.
- 4.Contact Us – For the contact us, you will be able to see their address, phone number and email address.
- 5.About Us – For the about us, you will be able see the goals and objectives of blood bank management system.

CHAPTER 4

SYSTEM REQUIREMENTS

REQUIREMENTS

1. HARDWARE REQUIREMENTS

- * A system with minimum 2GB of RAM.
- * Keyboard.
- * Monitor.

2. SOFTWARE REQUIREMENTS

- * Pycharm professional (for python django)

CHAPTER 5

RESULTS



[Home](#)

[Search](#)

[Donor Registration](#)

[Log In](#)

[Contact Us](#)

[About Us](#)



Blood Bank Management System



[Home](#) [Search](#) [Donor Registration](#) [Log In](#) [Contact Us](#) [About Us](#)



Select blood group



Address?..e.g..jinalbagan

Search



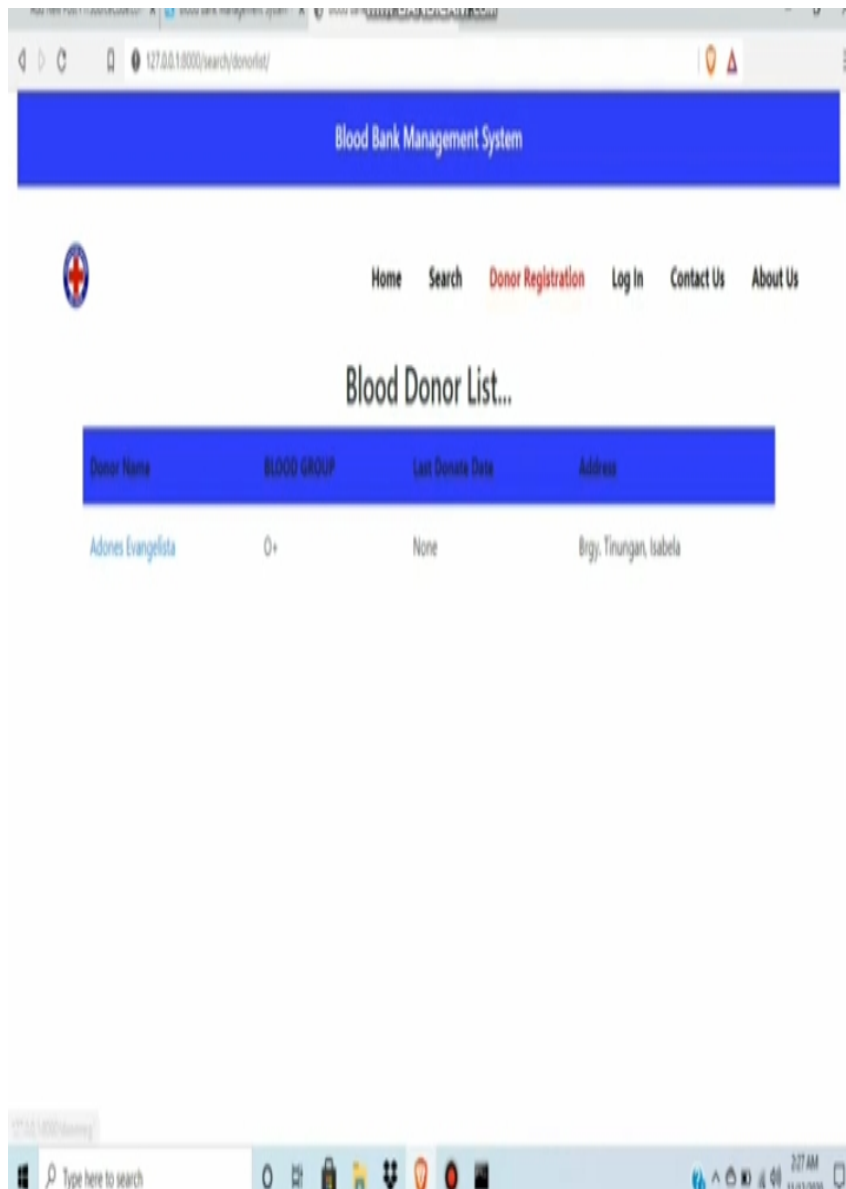
Blood Donor Registration Form

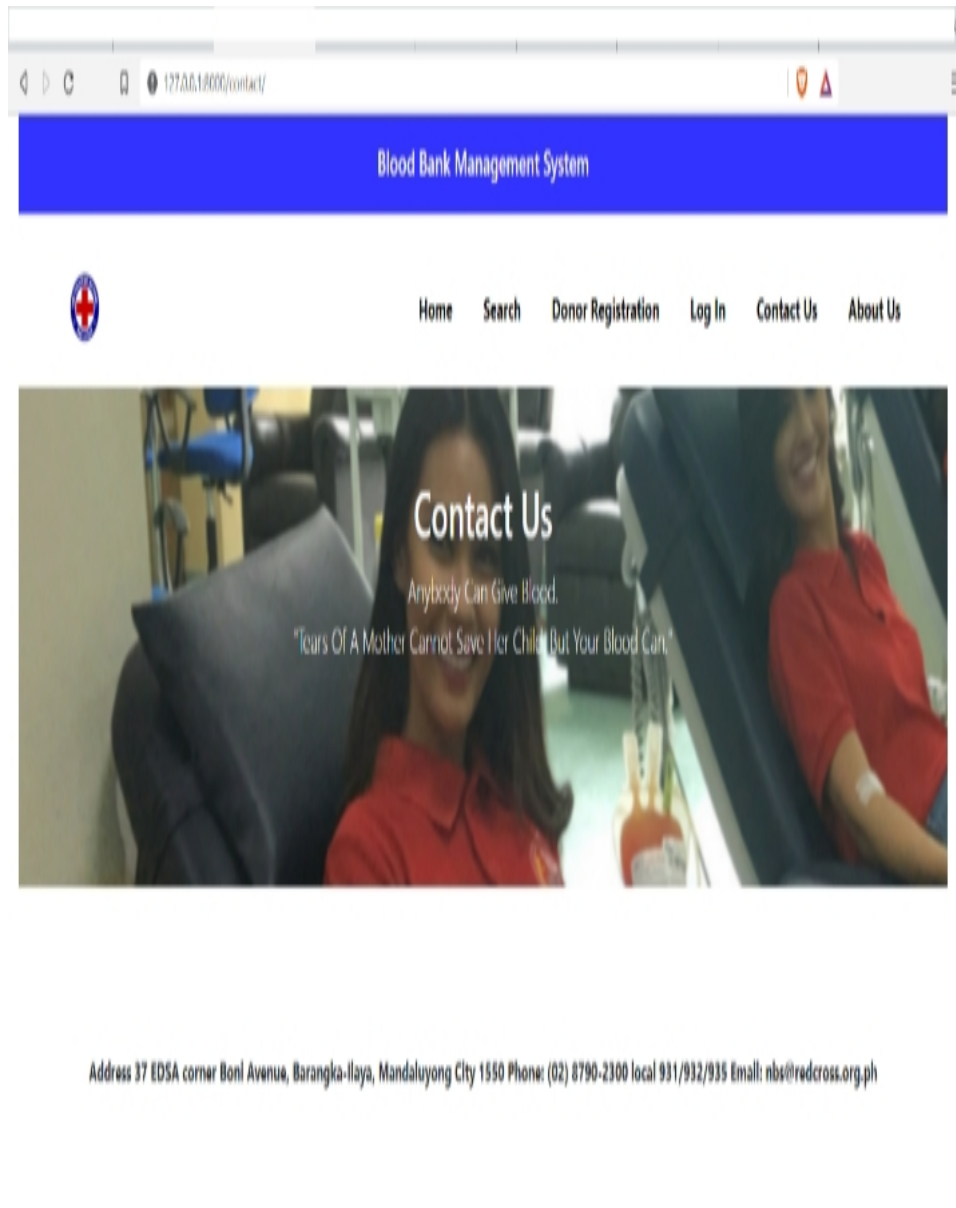
Name:

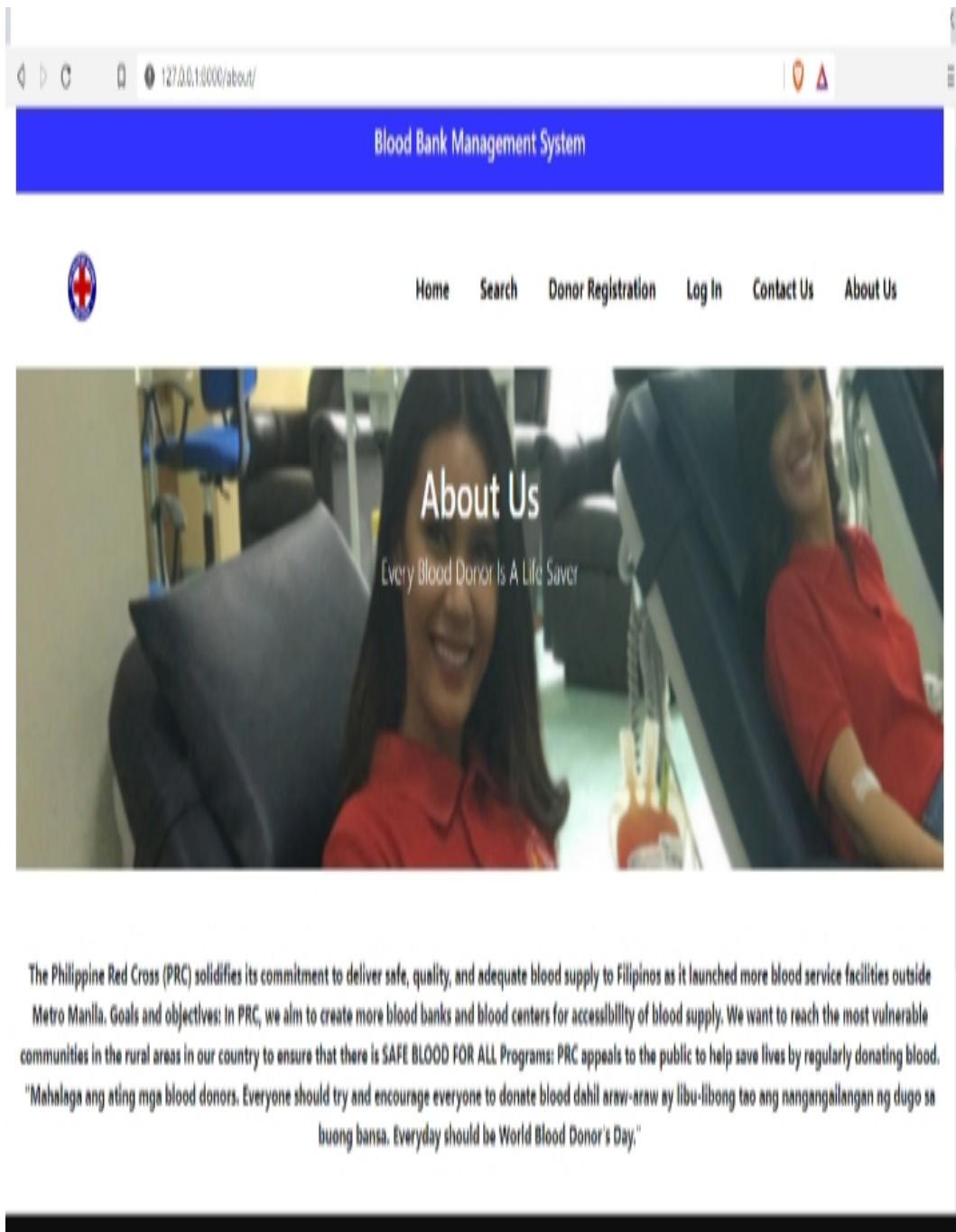
Gender:

Date of birth:

Blood group:







CHAPTER 6

CONCLUSION AND FUTURE WORK

6.1 CONCLUSION

The system also has a feature that allows registered blood banks to send a notification to registered blood donors on the application requesting for blood donation.

6.2 FUTURE WORK

We have already entered the age of Information Technology, where all the paper work / manually managed files are about to finish, now with the help of this user friendly software all the files stored in the computer can be very well formatted. With little more modifications it will become the good software for Blood Bank. The present 'Blood Bank' project may be further developed for more complex transactions and to meet the requirements of modern day dynamic System Operation. New options and their respective implementation may be Done in future.

REFERENCES

[1] PYTHON : <https://www.w3schools.com/python/>

[2] Google

APPENDICES

SOURCE CODE

```
<!DOCTYPE html>
<html lang="en">

<head>

    {% load static %}

    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <link rel="stylesheet" href="{% static 'css/bootstrap.min.css' %}">
    <link rel="stylesheet" href="{% static 'css/style.css' %}">
    <script src="{% static 'js/jquery.min.js' %}"></script>
    <script src="{% static 'js/jquery-3.3.1.slim.min.js' %}"></script>
    <script src="{% static 'js/popper-1.14.7.js' %}"></script>
    <script src="{% static 'js/bootstrap.min.js' %}"></script>
    <link rel="shortcut icon" type="image/x-icon" href="{% static 'photos/logo/searchlogo.jpg' %}">

    <title>Blood Bank Management System</title>
</head>

<body>
    <div class="container-fluid">
        <!-- head title -->
        <header>
            <h5 class="head text-white text-center p-3">Blood Bank Management
System</h5>
        </header>

        <!-- navbar -->
        <nav class="navbar navbar-expand-sm sticky-top">
```

```

<!-- logo -->

<a class="navbar-brand ml-5" href="#">
    
</a>

<!-- navbar item -->
<div class="col">
    <ul class="navbar-nav flex-row-reverse">
        <li class="nav-item text-dark">
            <a class="nav-link font-weight-bolder" href="{% url 'abouts1' %}">About
Us</a>
        </li>
        <li class="nav-item">
            <a class="nav-link font-weight-bolder" href="{% url 'contacts1' %}">Contact
Us</a>
        </li>
        <!-- Dropdown -->
        <li class="nav-item dropdown">
            <a class="nav-link font-weight-bolder" href="#" data-toggle="dropdown">
Log In
</a>
            <div class="dropdown-menu">
                <a class="dropdown-item font-weight-bolder"
href="/admin/">Admin</a>
            </div>
        </li>
        <li class="nav-item">
            <a class="nav-link font-weight-bolder" href="{% url 'dregs1' %}">Donor
Registration</a>
        </li>
        <li class="nav-item font-weight-bolder">
            <a class="nav-link" href="{% url 'search1' %}">Search</a>
        </li>
        <li class="nav-item font-weight-bolder">
            <a class="nav-link" href="{% url 'homes1' %}">Home</a>
        </li>
    </ul>

```

```

</div>

</nav>

<!-- Carousel -->
<div class="carousel_slid">
  <div class="opacity_carousel"></div>
  <div id="slide" class="carousel slide" data-ride="carousel">
    <!-- carousel indicators -->
    <ul class="carousel-indicators">
      <li data-target="#slide" data-slide-to="0" class="active"></li>
      <li data-target="#slide" data-slide-to="1"></li>
      <li data-target="#slide" data-slide-to="2"></li>
    </ul>
    <div class="carousel-inner">
      <div class="carousel-item carousel-img-1 active">
        
        <div class="carousel-caption">
          <h3>Why do we donate blood?</h3>
          <p>Donating just one pint of blood can save more than one person's
life.</p>
        </div>
      </div>
      <!-- carousel item -->
      <div class="carousel-item carousel-img-2">
        
        <div class="carousel-caption">
          <h3>Why do we donate blood?</h3>
          <p>Whenever you donate blood, you're giving someone the opportunity to
have a new lease on life, not to mention that you're also giving your overall health a great
boost.</p>
        </div>
      </div>
      <div class="carousel-item carousel-img-3">
        
        <div class="carousel-caption">
          <h3>Why do we donate blood?</h3>

```

<p>It is not more painful than losing a loved one that you may save by donating!</p>

</div>

</div>

</div>

<!-- carousel control -->

</div>

</div>

{% block content %}

{% endblock %}

<!-- footer -->

<div class="footer clearfix">

<p class="text-center text-white p-2">

Philippine Red Cross Blood Bank Management System

The National Headquarters of the Philippine Red Cross us

located at 37 EDSA corner Boni Avenue,

Mandaluyong City, Metro Manila.

</p>

</div>

</div>

</body>

</html>

Search.html

```
{% extends 'base.html' %}
```

```
{% block content %}
```

```
<!-- Search -->
<div class="search">
  
  <form action="{% url 'donorlistsite' %}" method="POST">
    {% csrf_token %}
    <div class="input-group mb-3">
      {{forms_search.select_blood_group}}
      {{forms_search.select_location}}
    </div>
    <button type="submit" class="btn search_bt">Search</button>

  </form>
</div>
```

```
{% endblock %}
```

Registration.html

```
{% extends 'base.html' %}
```

```
{% block content %}
```

```
<div class="container-fluid">
  <div class="form_body">
    <h2 class="text-center font-">Blood Donor Registration Form</h2>
    <form action="{% url 'dregdisplay' %}" method="post">
      {% csrf_token %}
      {{forms.as_p}}
      <button type="submit" class="btn reg_btn">Submit</button>
    </form>
  </div>
</div>
```

```
{% endblock %}
```

Contact us.html

```
{% extends 'base.html' %}
```

```
{% block content %}
```

```
&lt;div class="about_page"&gt;
  &lt;div class = "Contact_body"&gt;
    &lt;!-- page image --&gt;
    &lt;header id="page-header"&gt;
      &lt;div class="col-md-6 m-auto text-center text-light"&gt;
        &lt;h1&gt;Contact Us&lt;/h1&gt;
        &lt;p class="lead"&gt;Anybody Can Give Blood.
        &lt;br&gt;"Tears Of A Mother Cannot Save Her Child. But Your Blood Can."&lt;/p&gt;
      &lt;/div&gt;
    &lt;/header&gt;
```

```
    &lt;!-- address --&gt;
    &lt;div class="address text-center"&gt;
      &lt;address class="p-5 font-weight-bold"&gt;{{ contact.contact_text }}&lt;/address&gt;
    &lt;/div&gt;
  &lt;/div&gt;
```

```
{% endblock %}
```

About us.html

```
{% extends 'base.html' %}
```

```
{% block content %}
```

```
&lt;!-- page image --&gt;
&lt;header id="page-header"&gt;
  &lt;div class="col-md-6 m-auto text-center text-light"&gt;
    &lt;h1&gt;About Us&lt;/h1&gt;
    &lt;p class="lead"&gt;Every Blood Donor Is A Life Saver&lt;/p&gt;
  &lt;/div&gt;
&lt;/header&gt;
```

```
&lt;!--about--&gt;
&lt;div class="about text-center"&gt;
  &lt;p class="font-weight-bold"&gt;{{ about.about_text }}&lt;/p&gt;
&lt;/div&gt;
```

```
{% endblock %}
```

