FRESHERS ROADMAP

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SOURCE CODE-

1. MAIN FRAME SOURCE CODE-

```
import javax.swing.*;
import java.awt.event.*;
import java.awt.*;

class Test extends JFrame implements ActionListener {

    JButton jb1,jb2,jb3,jb4;
    JLabel l1,l2;

    Test() {

        l1 = new JLabel("STUDENTS ROADMAP");
        l1.setBounds(100, 10, 300, 50);
        l1.setFont(new Font("Serif", Font.PLAIN, 23));
        l1.setForeground(Color.green);

        add(l1);
            l2 = new JLabel("PLEASE SELECT YOUR AREA OF INTEREST!!");
        l2.setBounds(100, 50, 300, 50);
        l2.setFont(new Font("Serif", Font.PLAIN, 14));
        l2.setForeground(Color.green);

        add(l2);

        jb1 = new JButton("MACHINE LEARNING");
         jb2 = new JButton("WEB DEVLOPMENT");
          jb3 = new JButton("APP DEVLOPMENT");
           jb4 = new JButton("BLOCKCHAIN");
        jb1.setBounds(50, 110, 300, 50);
```

```
        add(jb1);

        jb2.setBounds(50, 170, 300, 50);
        add(jb2);

        jb3.setBounds(50, 240, 300, 50);
        add(jb3);

        jb4.setBounds(50, 300, 300, 50);
        add(jb4);

        jb1.addActionListener(this);
        jb2.addActionListener(this);
        jb3.addActionListener(this);
        jb4.addActionListener(this);

        setLayout(null);
        setSize(600, 500);
        setVisible(true);
    }

    public void actionPerformed(ActionEvent e) {
        if (e.getSource().equals(jb1)) {
            this.dispose();
            Hello h = new Hello();
            h.setVisible(true);

        }

         if (e.getSource().equals(jb2)) {
            this.dispose();
            web hh = new web();
            hh.setVisible(true);

        }
          if (e.getSource().equals(jb3)) {
            this.dispose();
            app hhh = new app();
            hhh.setVisible(true);

        }
           if (e.getSource().equals(jb4)) {
            this.dispose();
            chain hhh = new chain();
            hhh.setVisible(true);

        }
    }
```

```
    public static void main(String args[]) {
        Test t = new Test();
        t.setSize(600,500);
        t.setVisible(true);
        t.getContentPane().setBackground(Color.black);

        t.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    }
}
```

1. SUB-FRAME SOURCE CODE-

1.1 AI/MACHINE LEARNING-

```
2. import java.awt.Color;
3. import java.awt.*;
4. import java.awt.event.*;
5. import javax.swing.BorderFactory;
6. import javax.swing.ImageIcon;
7. import javax.swing.JButton;
8. import javax.swing.JFrame;
9. import javax.swing.JLabel;
10.import javax.swing.border.Border;
11.import javax.swing.ImageIcon.*;
12.

13.class Hello extends JFrame implements ActionListener{
14.
15.    JButton jb1;
16.    JLabel l1,l2;
17.
18.    Hello() {
19.
20.        ImageIcon icon = new ImageIcon("machinelearning.png");
21.        JLabel label = new JLabel(icon);
22.        label.setBounds(100, 10, 300, 50);
23.        add(label);
24.        setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
25.        pack();
26.        setVisible(true);
```

```
27.
28.         jb1 = new JButton("Back");
29.         jb1.setBounds(50, 400, 200, 50);
30.         add(jb1);
31.         jb1.addActionListener(this);
32.
33.
34.
35.         l1 = new JLabel("ML");
36.         l1.setBounds(30, 50, 300, 50);
37.         l1.setFont(new Font("Serif", Font.PLAIN, 24));
38.         l1.setHorizontalAlignment(JLabel.CENTER);
39.         l1.setForeground(Color.green);
40.
41.         add(l1);
42.
43.         setLayout(null);
44.         setSize(600, 500);
45.         setVisible(true);
46.         getContentPane().setBackground(Color.black);
47.         setDefaultCloseOperation(DISPOSE_ON_CLOSE);
48.
49.     }
50.
51.     public void actionPerformed(ActionEvent e) {
52.         if (e.getSource().equals(jb1)) {
53.             this.dispose();
54.             Test t = new Test();
55.             t.setVisible(true);
56.             t.getContentPane().setBackground(Color.black);}
57.
58.
59.
60.
61.     }
62.}
63.
64.
65.
```

2.2. WEB DEVLOPMENT-

```
import java.awt.Color;
import java.awt.*;
import java.awt.event.*;
```

```
import javax.swing.BorderFactory;
import javax.swing.ImageIcon;
import javax.swing.JButton;
import javax.swing.JFrame;
import javax.swing.JLabel;
import javax.swing.border.Border;


class web extends JFrame implements ActionListener{

    JButton jb2;
    JLabel l1;

    web() {

        ImageIcon icon = new ImageIcon("webdev.jpg");
        JLabel label = new JLabel(icon);
        label.setBounds(100, 10, 300, 50);
        add(label);
        setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        pack();
        setVisible(true);

        jb2 = new JButton("Back");
        jb2.setBounds(50, 400, 200, 50);
        add(jb2);
        jb2.addActionListener(this);

        l1 = new JLabel("WEB DEVLOPMENT");
        l1.setBounds(30, 50, 300, 50);
        l1.setFont(new Font("Serif", Font.PLAIN, 24));
        l1.setHorizontalAlignment(JLabel.CENTER);
        l1.setForeground(Color.green);

        add(l1);

        setLayout(null);
        setSize(600, 500);
        setVisible(true);
        getContentPane().setBackground(Color.black);

        setDefaultCloseOperation(JFrame.DISPOSE_ON_CLOSE);

    }

    public void actionPerformed(ActionEvent e) {
        if (e.getSource().equals(jb2)) {
            this.dispose();
            Test t = new Test();
```

```
            t.setVisible(true);
            t.getContentPane().setBackground(Color.black);

        }}

}
```

2.3. APP DEVLOPMENT-

```
import java.awt.Color;
import java.awt.*;
import java.awt.event.*;
import javax.swing.BorderFactory;
import javax.swing.ImageIcon;
import javax.swing.JButton;
import javax.swing.JFrame;
import javax.swing.JLabel;
import javax.swing.border.Border;

class app extends JFrame implements ActionListener{

    JButton jb3;
    JLabel l1;

    app() {

        ImageIcon icon = new ImageIcon("appdev.png");
        JLabel label = new JLabel(icon);
        label.setBounds(100, 10, 300, 50);
        add(label);
        setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        pack();
        setVisible(true);
```

```
        jb3 = new JButton("Back");
        jb3.setBounds(50, 400, 200, 50);
        add(jb3);
        jb3.addActionListener(this);


        l1 = new JLabel("APP DEVELOPMENT");
        l1.setBounds(30, 50, 300, 50);
        l1.setFont(new Font("Serif", Font.PLAIN, 24));
        l1.setHorizontalAlignment(JLabel.CENTER);
        l1.setForeground(Color.green);

        add(l1);

        setLayout(null);
        setSize(600, 500);
        setVisible(true);
        getContentPane().setBackground(Color.black);
        setDefaultCloseOperation(DISPOSE_ON_CLOSE);
    }

    public void actionPerformed(ActionEvent e) {
        if (e.getSource().equals(jb3)) {
            this.dispose();
            Test t = new Test();
            t.setVisible(true);
            t.getContentPane().setBackground(Color.black);

        }}

}
```

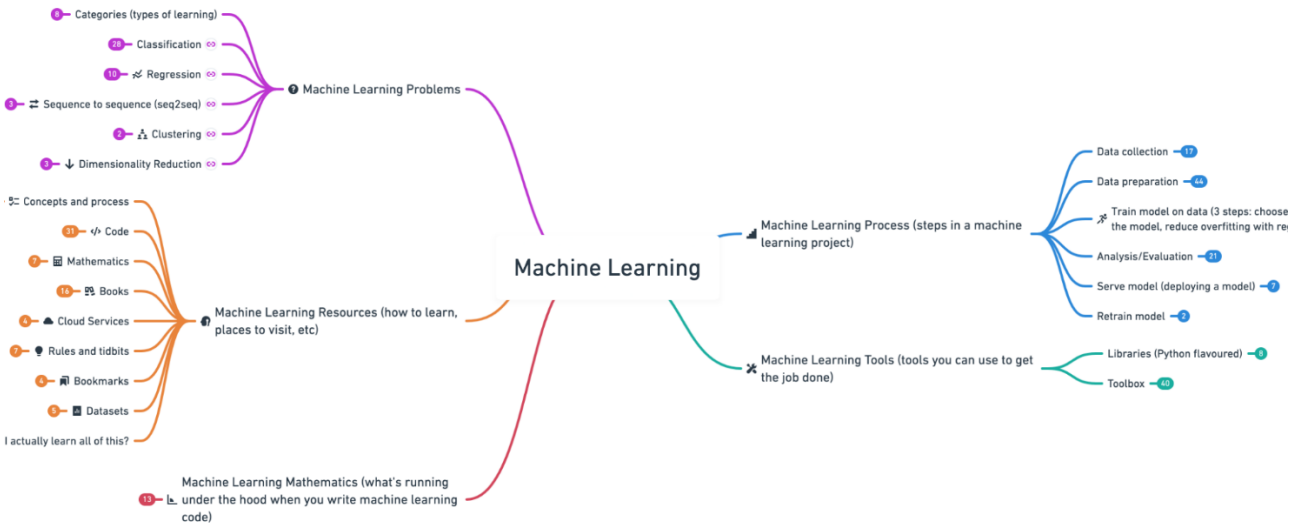
2.4 BLOCKCHAIN-

```
import java.awt.Color;
import java.awt.*;
import java.awt.event.*;
import javax.swing.BorderFactory;
import javax.swing.ImageIcon;
import javax.swing.JButton;
import javax.swing.JFrame;
import javax.swing.JLabel;
import javax.swing.border.Border;

class chain extends JFrame implements ActionListener{
```

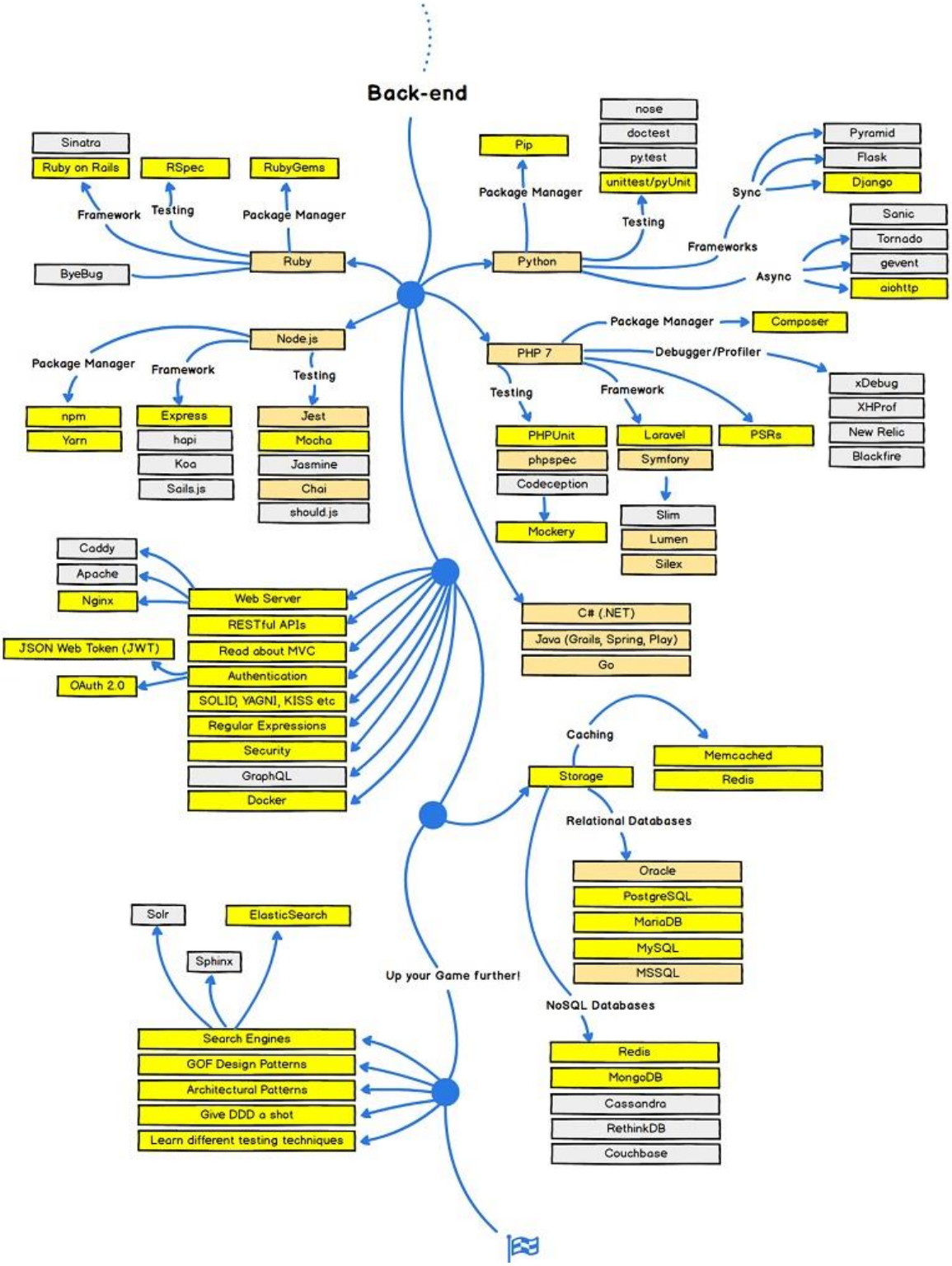
```
    JButton jb4;
    JLabel l1;

    chain() {

        ImageIcon icon = new ImageIcon("Blockchain.jpg");
        JLabel label = new JLabel(icon);
        label.setBounds(100, 10, 300, 50);
        add(label);
        setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        pack();
        setVisible(true);

        jb4 = new JButton("Back");
        jb4.setBounds(50, 400, 200, 50);
        add(jb4);
        jb4.addActionListener(this);

        l1 = new JLabel("BLOCKCHAIN");
        l1.setBounds(30, 50, 300, 50);
        l1.setFont(new Font("Serif", Font.PLAIN, 24));
        l1.setHorizontalAlignment(JLabel.CENTER);
        l1.setForeground(Color.green);

        add(l1);

        setLayout(null);
        setSize(600, 500);
        setVisible(true);
        getContentPane().setBackground(Color.black);
        setDefaultCloseOperation(DISPOSE_ON_CLOSE);
    }

    public void actionPerformed(ActionEvent e) {
        if (e.getSource().equals(jb4)) {
            this.dispose();
            Test t = new Test();
            t.setVisible(true);
            t.getContentPane().setBackground(Color.black);

        }}

}
```

3. IMAGES-

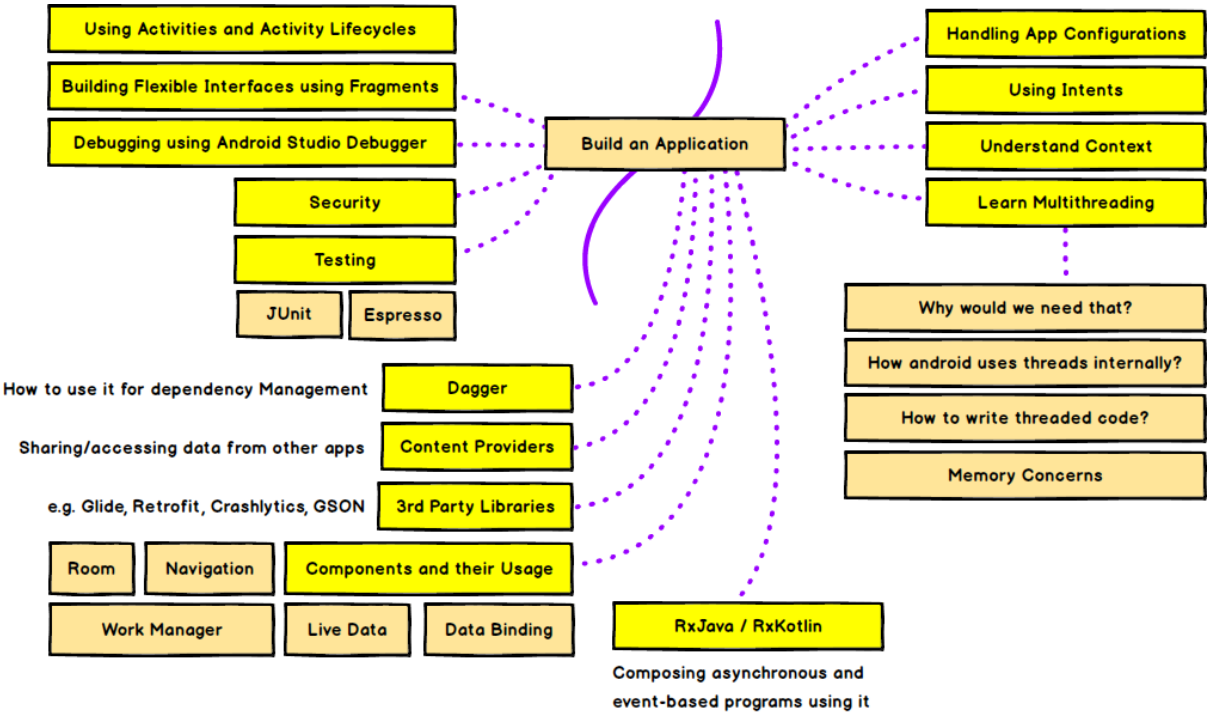
3.1 AI/ML-



3.2 WEB DEVLOPMENT-



3.3 APP DEVLOPMENT-



3.4 BLOCKCHAIN-