CODE

Project ID: PNT2022TMID52614

Data.html

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

<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Zones</title>
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css
"
        integrity="sha384-
Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh"
crossorigin="anonymous" />
    <style>
        body {
            padding-top: 30px;
            padding-bottom: 30px;
            background-color: #699cc5;
        }

        a {
            color: black;
        }
    </style>
</head>

<body>
    <div class="m-4 container">
        <h1><u>Location data and Visited People</u></h1>
    </div>
    <div class="m-4 container">
        <table class="table">
            <thead>
                <tr>
                    <th scope="col">S.No</th>
                    <th scope="col">Latitude</th>
```

```
                    <th scope="col">Longitude</th>
                    <th scope="col">No_Visited</th>
                </tr>
            </thead>
            <tbody>

                {%- for row in responses %}
                <tr>
                    <th scope="row">{{loop.index}}</th>
                    <td>{{row[1]}}</td>
                    <td>{{row[2]}}</td>
                    <td>{{row[3]}}</td>
                </tr>
                {%- endfor %}
            </tbody>
        </table>
    </div>
    <div class="m-3 float-right">
        <button type="button" class="btn btn-danger"><a
href={{url_for("home")}}>Go to location update Page</a></button>
    </div>

</body>

</html>
```

Home.html

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

<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css
"
        integrity="sha384-
Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh"
crossorigin="anonymous" />
    <style>
        body {
            padding-top: 30px;
            padding-bottom: 30px;
```

```
            background-color: #699cc5;
        }

        a {
            color: black;
        }
    </style>
</head>

<body>
    {% if success == True %}
    <script>
        alert("Location Uploaded Successfully");
    </script>
    {% elif success == 0 %}
    <script>
        alert("Enter Proper Location data");
    </script>
    {% endif %}
    <div class="m-3 float-right">
        <button type="button" class="btn btn-primary"><a
href={{url_for("logout")}}>Log Out</a></button>
    </div>
    <div class="container m-3">
        <h1><u>Declare Containment Zone</u></h1>
    </div>
    <div class="container m-3">
        <h3>welcome: {{name}}</h3>
    </div>
    <form method="POST" action="/home">
        <div class="container">
            <div class="form-group row">
                <div class="col-sm-6">
                    <label class="control-label">Lat.:</label>
                    <input type="text" class="form-control" id="lat"
name="lat" />
                </div>
                <div class="col-sm-6">
                    <label>Long.:</label>
                    <input type="text" class="form-control" id="lon"
name="lon" />
                </div>
                <div class="col-sm-6">
                    <label>Get current Location:</label>
                    <button type="button" class="btn btn-warning"
onclick="getLocation()">Current Location</button>
                    <label>(Click this first)</label>
                </div>
```

```
            </div>

            <!-- map -->
            <div id="map_disp" style="height: 400px;width: 500px;"></div>
            <div class="m-3 float-right">
                <button type="submit" class="btn btn-danger">Declare
Containment Zone</button>
            </div>
            <div class="m-3">
                <button onclick="toggleTips()" type="button" class="btn btn-
secondary">Tutorial</button>
                <div id="tips" class="m-3">
                    <ol>
                        <li>Select The Location By Clicking the Current
Location Button</li>
                        <li>Drag the Pin to change the location</li>
                        <li>Click on Declare Containment Zone to save the
location to the database </li>
                    </ol>
                </div>
            </div>
            <div class="m-3 float-right">
                <button type="button" class="btn btn-warning"><a
href="{{url_for('data')}}">Click Here To View The
                        Containment Zones and Number of
                        people visited</a></button>
            </div>
        </div>

        <script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.6.0/dist/js/bootstrap.min.js"
            integrity="sha384-
+YQ4JLhjyBLPDQt//I+STsc9iw4uQqACwlvpslubQzn4u2UU2UFM80nGisd026JF"
            crossorigin="anonymous"></script>
        <script src="https://code.jquery.com/jquery-2.2.4.min.js"></script>
        <script
src="https://maps.google.com/maps/api/js?sensor=false&amp;libraries=places"></
script>
        <script
            src="https://rawgit.com/Logicify/jquery-locationpicker-
plugin/master/dist/locationpicker.jquery.js"></script>

        <script>
            function getLocation() {
                if (navigator.geolocation) {
                    navigator.geolocation.getCurrentPosition(showPosition);
                } else {
                    alert("No location");
```

```
                }
            }
            function showPosition(position) {
                $('#map_disp').locationpicker({
                    location: {
                        latitude: position.coords.latitude,
                        longitude: position.coords.longitude
                    },
                    radius: 0,
                    inputBinding: {
                        latitudeInput: $('#lat'),
                        longitudeInput: $('#lon'),
                    },
                    enableAutocomplete: true,
                    onchanged: function (currentLocation, radius,
isMarkerDropped) {
                        // Uncomment line below to show alert on each Location
Changed event
                        // alert("Location changed. New location (" +
currentLocation.latitude + ", " + currentLocation.longitude + ")");
                    }
                });
            }
            function toggleTips() {
                var x = document.getElementById("tips");
                if (x.style.display === "none") {
                    x.style.display = "block";
                } else {
                    x.style.display = "none";
                }
            }
        </script>
</body>

</html>
```

Login.html

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

<head>
    <!-- Required meta tags -->
    <meta charset="utf-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1,
shrink-to-fit=no" />
```

```
    <!-- Bootstrap CSS -->
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css
"
        integrity="sha384-
Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh"
crossorigin="anonymous" />
    <link rel="stylesheet" href="style.css" />
    <title>Log In</title>
    <link rel="stylesheet" href="{{ url_for('static', filename='styles.css')
}}">
</head>

<body class="text-center">
    {% if error == 1 %}
    <script>
        alert("Incorrect Password");
    </script>
    {% elif error == 2%}
    <script>
        alert("Create An Account");
    </script>
    {% else %}
    {% endif %}
    <form class="form-login" method="POST" action="/">
        <h1 class="h3 mb-3 font-weight-normal">Log In to add the location of
the containment zone</h1>
        <label for="email" class="sr-only">Email address</label>
        <input type="email" name="email" class="form-control"
placeholder="Email address" required autofocus />
        <label for="password" class="sr-only">Password</label>
        <input type="password" class="form-control" placeholder="Password"
name="password" required />
        <button type="submit" class="btn btn-lg btn-primary btn-block mt-3">
            Login
        </button>
        <a href={{url_for("signup")}}>Don't have an account ... Create One</a>
    </form>

    <!-- Optional JavaScript -->
    <!-- jQuery first, then Popper.js, then Bootstrap JS -->
    <script src="https://code.jquery.com/jquery-3.4.1.slim.min.js"
        integrity="sha384-
J6qa4849blE2+poT4WnyKhv5vZF5SrPo0iEjwBvKU7imGFAV0wwj1yYfoRSJoZ+n"
        crossorigin="anonymous"></script>
    <script
src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
```

```
        integrity="sha384-
Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
        crossorigin="anonymous"></script>
    <script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"
        integrity="sha384-
wfSDF2E50Y2D1uUdj0O3uMBJnjuUD4Ih7YwaYd1iqfktj0Uod8GCExl3Og8ifwB6"
        crossorigin="anonymous"></script>
</body>

</html>
```

Signup.html

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

<head>
    <!-- Required meta tags -->
    <meta charset="utf-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1,
shrink-to-fit=no" />

    <!-- Bootstrap CSS -->
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css
"
        integrity="sha384-
Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh"
crossorigin="anonymous" />
    <link rel="stylesheet" href="{{ url_for('static', filename='styles.css')
}}">
    <title>Sign Up</title>
</head>

<body class="text-center">
    {% if error %}
    <script>
        alert("Email id already exists in the database");
    </script>
    {% endif %}
    <form class="form-login" method="POST" action="/signup">
        <h1 class="h3 mb-3 font-weight-normal">Sign Up to create an account
with us</h1>
        <label for="name" class="sr-only">Email address</label>
```

```
        <input type="text" name="name" class="form-control" placeholder="Name"
required autofocus />
        <label for="email" class="sr-only">Email address</label>
        <input type="email" name="email" class="form-control"
placeholder="Email address" required />
        <label for="password" class="sr-only">Password</label>
        <input type="password" class="form-control" placeholder="Password"
name="password" required />
        <button type="submit" class="btn btn-lg btn-primary btn-block mt-3">
            Signup
        </button>
        <a href={{url_for("login")}}>Already have an account ... Login</a>
    </form>

    <!-- Optional JavaScript -->
    <!-- jQuery first, then Popper.js, then Bootstrap JS -->
    <script src="https://code.jquery.com/jquery-3.4.1.slim.min.js"
        integrity="sha384-
J6qa4849blE2+poT4WnyKhv5vZF5SrPo0iEjwBvKU7imGFAV0wwj1yYfoRSJoZ+n"
        crossorigin="anonymous"></script>
    <script
src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
        integrity="sha384-
Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
        crossorigin="anonymous"></script>
    <script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"
        integrity="sha384-
wfSDF2E50Y2D1uUdj0O3uMBJnjuUD4Ih7YwaYd1iqfktj0Uod8GCExl3Og8ifwB6"
        crossorigin="anonymous"></script>
</body>

</html>
```

Style.css

```
html,
body {
  height: 100%;
}

body {
  display: flex;
  align-items: center;
```

```
  justify-content: center;
  background-color: #699cc5;
  padding: 40px 0;
}

.form-login {
  width: 100%;
  max-width: 400px;
  height: 40%;
}

.form-login .form-control {
  position: relative;
  box-sizing: border-box;
  height: auto;
  padding: 10px;
  font-size: 16px;
}

.form-login .form-control:focus {
  z-index: 2;
}

.form-login input[type="email"] {
  margin-top: 10px;
}

.form-login input[type="password"] {
  margin-top: 10px;
}

.form-login input[type="text"] {
  margin-top: 10px;
}

.form-login a {
  margin-top: 10px;
  color: black;
}
```

mainactivity.java

```
package com.example.client_containment;

import androidx.appcompat.app.AppCompatActivity;
import androidx.core.app.ActivityCompat;
```

```
import android.Manifest;
import android.annotation.SuppressLint;
import android.app.PendingIntent;
import android.content.Intent;
import android.content.SharedPreferences;
import android.content.pm.PackageManager;
import android.os.Bundle;
import android.util.Log;
import android.widget.TextView;
import android.widget.Toast;

import com.example.client_containment.Service.MyLocationService;
import com.google.android.gms.location.FusedLocationProviderClient;
import com.google.android.gms.location.LocationRequest;
import com.google.android.gms.location.LocationServices;
import com.karumi.dexter.Dexter;
import com.karumi.dexter.PermissionToken;
import com.karumi.dexter.listener.PermissionDeniedResponse;
import com.karumi.dexter.listener.PermissionGrantedResponse;
import com.karumi.dexter.listener.PermissionRequest;
import com.karumi.dexter.listener.single.PermissionListener;


public class MainActivity extends AppCompatActivity {
    @SuppressLint("StaticFieldLeak")
    static MainActivity instance;
    LocationRequest locationRequest;
    TextView loc;
    FusedLocationProviderClient fusedLocationProviderClient;
    SharedPreferences sharedPreferences;

    public static MainActivity getInstance() {
        return instance;
    }

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        instance = this;
        loc = findViewById(R.id.location_text);
        sharedPreferences =
getApplicationContext().getSharedPreferences("user_data", 0);
        Log.d("shared_pref",sharedPreferences.getString("name","0"));
        Dexter.withActivity(this)
                .withPermission(Manifest.permission.ACCESS_FINE_LOCATION)
                .withListener(new PermissionListener() {
                    @Override
```

```
                    public void onPermissionGranted(PermissionGrantedResponse
response) {
                        updateLocation();
                    }

                    @Override
                    public void onPermissionDenied(PermissionDeniedResponse
response) {
                        Toast.makeText(MainActivity.this, "No location",
Toast.LENGTH_LONG).show();
                    }

                    @Override
                    public void
onPermissionRationaleShouldBeShown(PermissionRequest permission,
PermissionToken token) {

                    }
                }).check();

    }
    private void updateLocation() {
        buildLocationRequest();
        fusedLocationProviderClient =
LocationServices.getFusedLocationProviderClient(this);
        if (ActivityCompat.checkSelfPermission(this,
Manifest.permission.ACCESS_FINE_LOCATION) != PackageManager.PERMISSION_GRANTED
&& ActivityCompat.checkSelfPermission(this,
Manifest.permission.ACCESS_COARSE_LOCATION) !=
PackageManager.PERMISSION_GRANTED) {
            // TODO: Consider calling
            //    ActivityCompat#requestPermissions
            // here to request the missing permissions, and then overriding
            //   public void onRequestPermissionsResult(int requestCode,
String[] permissions,
            //                                          int[] grantResults)
            // to handle the case where the user grants the permission. See
the documentation
            // for ActivityCompat#requestPermissions for more details.
            return;
        }
        fusedLocationProviderClient.requestLocationUpdates(locationRequest,
getPendingIntent());
    }
    private PendingIntent getPendingIntent() {
        Intent intent = new Intent(this, MyLocationService.class);
        intent.setAction(MyLocationService.ACTION_PROCESS_UPDATE);
        return getPendingIntent(intent);
```

```
    }

    private PendingIntent getPendingIntent(Intent intent)
     {
        return PendingIntent.getBroadcast(this, 0, intent,
PendingIntent.FLAG_UPDATE_CURRENT);
     }

    private void buildLocationRequest(){
        locationRequest = new LocationRequest();
        locationRequest .setPriority(LocationRequest.PRIORITY_HIGH_ACCURACY);
        locationRequest.setInterval(3000);
        locationRequest.setFastestInterval(1000);
        locationRequest.setSmallestDisplacement(10f);
    }
    public void updateTextView(String location){
        MainActivity.this.runOnUiThread(new Runnable()
        {
            @Override
            public void run() {
               loc.setText(location);
            }
        });
    }
}
```

signUp.java

```
package com.example.client_containment;

import androidx.appcompat.app.AppCompatActivity;
import androidx.core.app.ActivityCompat;

import android.Manifest;
import android.annotation.SuppressLint;
import android.app.PendingIntent;
import android.content.Intent;
import android.content.SharedPreferences;
import android.content.pm.PackageManager;
import android.os.Bundle;
import android.util.Log;
import android.widget.TextView;
import android.widget.Toast;
```

```
import com.example.client_containment.Service.MyLocationService;
import com.google.android.gms.location.FusedLocationProviderClient;
import com.google.android.gms.location.LocationRequest;
import com.google.android.gms.location.LocationServices;
import com.karumi.dexter.Dexter;
import com.karumi.dexter.PermissionToken;
import com.karumi.dexter.listener.PermissionDeniedResponse;
import com.karumi.dexter.listener.PermissionGrantedResponse;
import com.karumi.dexter.listener.PermissionRequest;
import com.karumi.dexter.listener.single.PermissionListener;


public class MainActivity extends AppCompatActivity {
    @SuppressLint("StaticFieldLeak")
    static MainActivity instance;
    LocationRequest locationRequest;
    TextView loc;
    FusedLocationProviderClient fusedLocationProviderClient;
    SharedPreferences sharedPreferences;

    public static MainActivity getInstance() {
        return instance;
    }

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        instance = this;
        loc = findViewById(R.id.location_text);
        sharedPreferences =
getApplicationContext().getSharedPreferences("user_data", 0);
        Log.d("shared_pref",sharedPreferences.getString("name","0"));
        Dexter.withActivity(this)
                .withPermission(Manifest.permission.ACCESS_FINE_LOCATION)
                .withListener(new PermissionListener() {
                    @Override
                    public void onPermissionGranted(PermissionGrantedResponse
response) {
                        updateLocation();
                    }

                    @Override
                    public void onPermissionDenied(PermissionDeniedResponse
response) {
                        Toast.makeText(MainActivity.this, "No location",
Toast.LENGTH_LONG).show();
                    }
```

```
                    @Override
                    public void
onPermissionRationaleShouldBeShown(PermissionRequest permission,
PermissionToken token) {

                    }
                }).check();

    }
    private void updateLocation() {
        buildLocationRequest();
        fusedLocationProviderClient =
LocationServices.getFusedLocationProviderClient(this);
        if (ActivityCompat.checkSelfPermission(this,
Manifest.permission.ACCESS_FINE_LOCATION) != PackageManager.PERMISSION_GRANTED
&& ActivityCompat.checkSelfPermission(this,
Manifest.permission.ACCESS_COARSE_LOCATION) !=
PackageManager.PERMISSION_GRANTED) {
            // TODO: Consider calling
            //    ActivityCompat#requestPermissions
            // here to request the missing permissions, and then overriding
            //   public void onRequestPermissionsResult(int requestCode,
String[] permissions,
            //                                          int[] grantResults)
            // to handle the case where the user grants the permission. See
the documentation
            // for ActivityCompat#requestPermissions for more details.
            return;
        }
        fusedLocationProviderClient.requestLocationUpdates(locationRequest,
getPendingIntent());
    }
    private PendingIntent getPendingIntent() {
        Intent intent = new Intent(this, MyLocationService.class);
        intent.setAction(MyLocationService.ACTION_PROCESS_UPDATE);
        return getPendingIntent(intent);
    }

    private PendingIntent getPendingIntent(Intent intent)
     {
        return PendingIntent.getBroadcast(this, 0, intent,
PendingIntent.FLAG_UPDATE_CURRENT);
     }

    private void buildLocationRequest(){
        locationRequest = new LocationRequest();
        locationRequest .setPriority(LocationRequest.PRIORITY_HIGH_ACCURACY);
        locationRequest.setInterval(3000);
```

```
        locationRequest.setFastestInterval(1000);
        locationRequest.setSmallestDisplacement(10f);
    }
    public void updateTextView(String location){
        MainActivity.this.runOnUiThread(new Runnable()
        {
            @Override
            public void run() {
               loc.setText(location);
            }
        });
    }
}
```

Build.gradle

```
// Top-level build file where you can add configuration options common to all
sub-projects/modules.
buildscript {
    repositories {
        google()
        jcenter()
    }
    dependencies {
        classpath 'com.android.tools.build:gradle:7.3.1'

        // NOTE: Do not place your application dependencies here; they belong
        // in the individual module build.gradle files
    }
}

allprojects {
    repositories {
        google()
        jcenter()
    }
}

task clean(type: Delete) {
    delete rootProject.buildDir
}
```

Gradlew

```
#!/usr/bin/env sh

##############################################################################
##
##  Gradle start up script for UN*X
##
##############################################################################

# Attempt to set APP_HOME
# Resolve links: $0 may be a link
PRG="$0"
# Need this for relative symlinks.
while [ -h "$PRG" ] ; do
    ls=`ls -ld "$PRG"`
    link=`expr "$ls" : '.*-> \(.*\)$'`
    if expr "$link" : '/.*' > /dev/null; then
        PRG="$link"
    else
        PRG=`dirname "$PRG"`"/$link"
    fi
done
SAVED="`pwd`"
cd "`dirname \"$PRG\"`/" >/dev/null
APP_HOME="`pwd -P`"
cd "$SAVED" >/dev/null

APP_NAME="Gradle"
APP_BASE_NAME=`basename "$0"`

# Add default JVM options here. You can also use JAVA_OPTS and GRADLE_OPTS to
pass JVM options to this script.
DEFAULT_JVM_OPTS=""

# Use the maximum available, or set MAX_FD != -1 to use that value.
MAX_FD="maximum"

warn () {
    echo "$*"
}

die () {
    echo
```

```
    echo "$*"
    echo
    exit 1
}

# OS specific support (must be 'true' or 'false').
cygwin=false
msys=false
darwin=false
nonstop=false
case "`uname`" in
  CYGWIN* )
    cygwin=true
    ;;
  Darwin* )
    darwin=true
    ;;
  MINGW* )
    msys=true
    ;;
  NONSTOP* )
    nonstop=true
    ;;
esac

CLASSPATH=$APP_HOME/gradle/wrapper/gradle-wrapper.jar

# Determine the Java command to use to start the JVM.
if [ -n "$JAVA_HOME" ] ; then
    if [ -x "$JAVA_HOME/jre/sh/java" ] ; then
        # IBM's JDK on AIX uses strange locations for the executables
        JAVACMD="$JAVA_HOME/jre/sh/java"
    else
        JAVACMD="$JAVA_HOME/bin/java"
    fi
    if [ ! -x "$JAVACMD" ] ; then
        die "ERROR: JAVA_HOME is set to an invalid directory: $JAVA_HOME
Please set the JAVA_HOME variable in your environment to match the
location of your Java installation."
    fi
else
    JAVACMD="java"
    which java >/dev/null 2>&1 || die "ERROR: JAVA_HOME is not set and no
'java' command could be found in your PATH.
Please set the JAVA_HOME variable in your environment to match the
location of your Java installation."
fi
```

```
# Increase the maximum file descriptors if we can.
if [ "$cygwin" = "false" -a "$darwin" = "false" -a "$nonstop" = "false" ] ;
then
    MAX_FD_LIMIT=`ulimit -H -n`
    if [ $? -eq 0 ] ; then
        if [ "$MAX_FD" = "maximum" -o "$MAX_FD" = "max" ] ; then
            MAX_FD="$MAX_FD_LIMIT"
        fi
        ulimit -n $MAX_FD
        if [ $? -ne 0 ] ; then
            warn "Could not set maximum file descriptor limit: $MAX_FD"
        fi
    else
        warn "Could not query maximum file descriptor limit: $MAX_FD_LIMIT"
    fi
fi

# For Darwin, add options to specify how the application appears in the dock
if $darwin; then
    GRADLE_OPTS="$GRADLE_OPTS \"-Xdock:name=$APP_NAME\" \"-
Xdock:icon=$APP_HOME/media/gradle.icns\""
fi

# For Cygwin, switch paths to Windows format before running java
if $cygwin ; then
    APP_HOME=`cygpath --path --mixed "$APP_HOME"`
    CLASSPATH=`cygpath --path --mixed "$CLASSPATH"`
    JAVACMD=`cygpath --unix "$JAVACMD"`

    # We build the pattern for arguments to be converted via cygpath
    ROOTDIRSRAW=`find -L / -maxdepth 1 -mindepth 1 -type d 2>/dev/null`
    SEP=""
    for dir in $ROOTDIRSRAW ; do
        ROOTDIRS="$ROOTDIRS$SEP$dir"
        SEP="|"
    done
    OURCYGPATTERN="(^($ROOTDIRS))"
    # Add a user-defined pattern to the cygpath arguments
    if [ "$GRADLE_CYGPATTERN" != "" ] ; then
        OURCYGPATTERN="$OURCYGPATTERN|($GRADLE_CYGPATTERN)"
    fi
    # Now convert the arguments - kludge to limit ourselves to /bin/sh
    i=0
    for arg in "$@" ; do
        CHECK=`echo "$arg"|egrep -c "$OURCYGPATTERN" -`
        CHECK2=`echo "$arg"|egrep -c "^-"`                                 ###
Determine if an option
```

```
        if [ $CHECK -ne 0 ] && [ $CHECK2 -eq 0 ] ; then                    ###
Added a condition
            eval `echo args$i`=`cygpath --path --ignore --mixed "$arg"`
        else
            eval `echo args$i`="\"$arg\""
        fi
        i=$((i+1))
    done
    case $i in
        (0) set -- ;;
        (1) set -- "$args0" ;;
        (2) set -- "$args0" "$args1" ;;
        (3) set -- "$args0" "$args1" "$args2" ;;
        (4) set -- "$args0" "$args1" "$args2" "$args3" ;;
        (5) set -- "$args0" "$args1" "$args2" "$args3" "$args4" ;;
        (6) set -- "$args0" "$args1" "$args2" "$args3" "$args4" "$args5" ;;
        (7) set -- "$args0" "$args1" "$args2" "$args3" "$args4" "$args5"
"$args6" ;;
        (8) set -- "$args0" "$args1" "$args2" "$args3" "$args4" "$args5"
"$args6" "$args7" ;;
        (9) set -- "$args0" "$args1" "$args2" "$args3" "$args4" "$args5"
"$args6" "$args7" "$args8" ;;
    esac
fi

# Escape application args
save () {
    for i do printf %s\\n "$i" | sed "s/'/'\\\\''/g;1s/^/'/;\$s/\$/' \\\\/" ;
done
    echo " "
}
APP_ARGS=$(save "$@")

# Collect all arguments for the java command, following the shell quoting and
substitution rules
eval set -- $DEFAULT_JVM_OPTS $JAVA_OPTS $GRADLE_OPTS "\"-
Dorg.gradle.appname=$APP_BASE_NAME\"" -classpath "\"$CLASSPATH\""
org.gradle.wrapper.GradleWrapperMain "$APP_ARGS"

# by default we should be in the correct project dir, but when run from Finder
on Mac, the cwd is wrong
if [ "$(uname)" = "Darwin" ] && [ "$HOME" = "$PWD" ]; then
  cd "$(dirname "$0")"
fi

exec "$JAVACMD" "$@"
```

gradlew.bat

```
@if "%DEBUG%" == "" @echo off
@rem
##########################################################################
@rem
@rem  Gradle startup script for Windows
@rem
@rem
##########################################################################

@rem Set local scope for the variables with windows NT shell
if "%OS%"=="Windows_NT" setlocal

set DIRNAME=%~dp0
if "%DIRNAME%" == "" set DIRNAME=.
set APP_BASE_NAME=%~n0
set APP_HOME=%DIRNAME%

@rem Add default JVM options here. You can also use JAVA_OPTS and GRADLE_OPTS
to pass JVM options to this script.
set DEFAULT_JVM_OPTS=

@rem Find java.exe
if defined JAVA_HOME goto findJavaFromJavaHome

set JAVA_EXE=java.exe
%JAVA_EXE% -version >NUL 2>&1
if "%ERRORLEVEL%" == "0" goto init

echo.
echo ERROR: JAVA_HOME is not set and no 'java' command could be found in your
PATH.
echo.
echo Please set the JAVA_HOME variable in your environment to match the
echo location of your Java installation.

goto fail

:findJavaFromJavaHome
set JAVA_HOME=%JAVA_HOME:"=%
set JAVA_EXE=%JAVA_HOME%/bin/java.exe

if exist "%JAVA_EXE%" goto init

echo.
```

```
echo ERROR: JAVA_HOME is set to an invalid directory: %JAVA_HOME%
echo.
echo Please set the JAVA_HOME variable in your environment to match the
echo location of your Java installation.

goto fail

:init
@rem Get command-line arguments, handling Windows variants

if not "%OS%" == "Windows_NT" goto win9xME_args

:win9xME_args
@rem Slurp the command line arguments.
set CMD_LINE_ARGS=
set _SKIP=2

:win9xME_args_slurp
if "x%~1" == "x" goto execute

set CMD_LINE_ARGS=%*

:execute
@rem Setup the command line

set CLASSPATH=%APP_HOME%\gradle\wrapper\gradle-wrapper.jar

@rem Execute Gradle
"%JAVA_EXE%" %DEFAULT_JVM_OPTS% %JAVA_OPTS% %GRADLE_OPTS% "-
Dorg.gradle.appname=%APP_BASE_NAME%" -classpath "%CLASSPATH%"
org.gradle.wrapper.GradleWrapperMain %CMD_LINE_ARGS%

:end
@rem End local scope for the variables with windows NT shell
if "%ERRORLEVEL%"=="0" goto mainEnd

:fail
rem Set variable GRADLE_EXIT_CONSOLE if you need the _script_ return code
instead of
rem the _cmd.exe /c_ return code!
if  not "" == "%GRADLE_EXIT_CONSOLE%" exit 1
exit /b 1

:mainEnd
if "%OS%"=="Windows_NT" endlocal

:omega
```