KARNATAK LAW SOCIETY'S

GOGTE INSTITUTE OF TECHNOLOGY

UDYAMBAG, BELAGAVI-590008

(An Autonomous Institution under Visvesvaraya Technological University, Belagavi)

(APPROVED BY AICTE, NEW DELHI)

Department of Electronics and Communication Engineering

Course Activity Report for

Operating Systems

Titled: Women's Security with SMS &call Alert App.

Submitted by

1. *Sanskruti Samant (2GI17EC113)*
2. *Prateek Mahajan (2GI17EC080)*
3. *Sanah Hassan (2GI17EC109)*
4. *Omkar Sulakhe (2GII17EC065)*

Guide

Prof. Ashish Gadgil

2020–2021 (Even Sem)

Contents

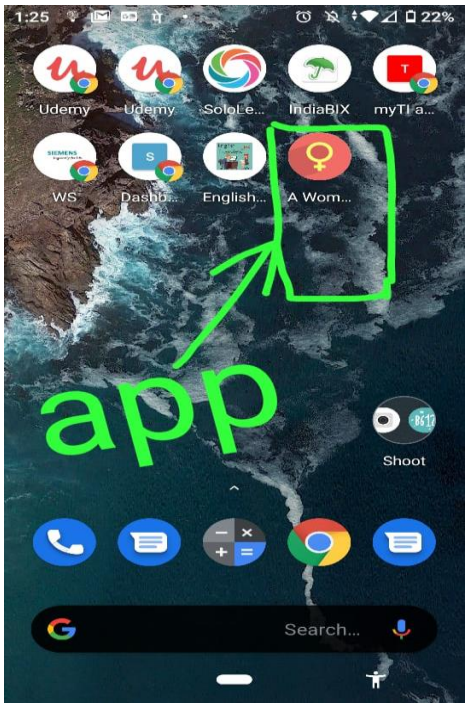
1. Introduction:

The Indian woman of today is the 'Bharatiya Nari'—an ideal Indian woman—in the remake. She was more indoors, less visible externally, and not a part of the hustle-bustle of economic activity. But we have already seen this changing. As the Indian economy and the society embrace new frontiers, the Indian woman of today is more and more a part of the public places, claiming her rightful place in the society and the commercial world.

Women generally aren't protected outside their homes. The gang rape occurred on a bus, and even Indian authorities say that the country's public places can be unsafe for women. This is a huge problem faced and demands safety outdoors.

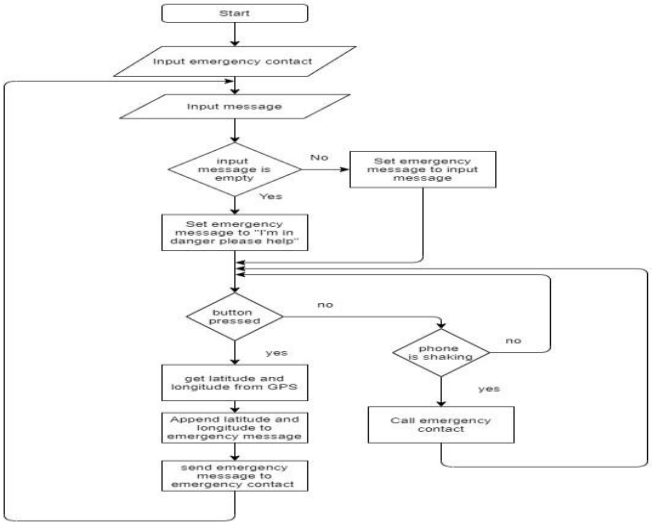
Solution: We have come up with an app which can be easily installed on any android device and can work with minimal operations at the time of need whenever felt by the woman.

About the app:



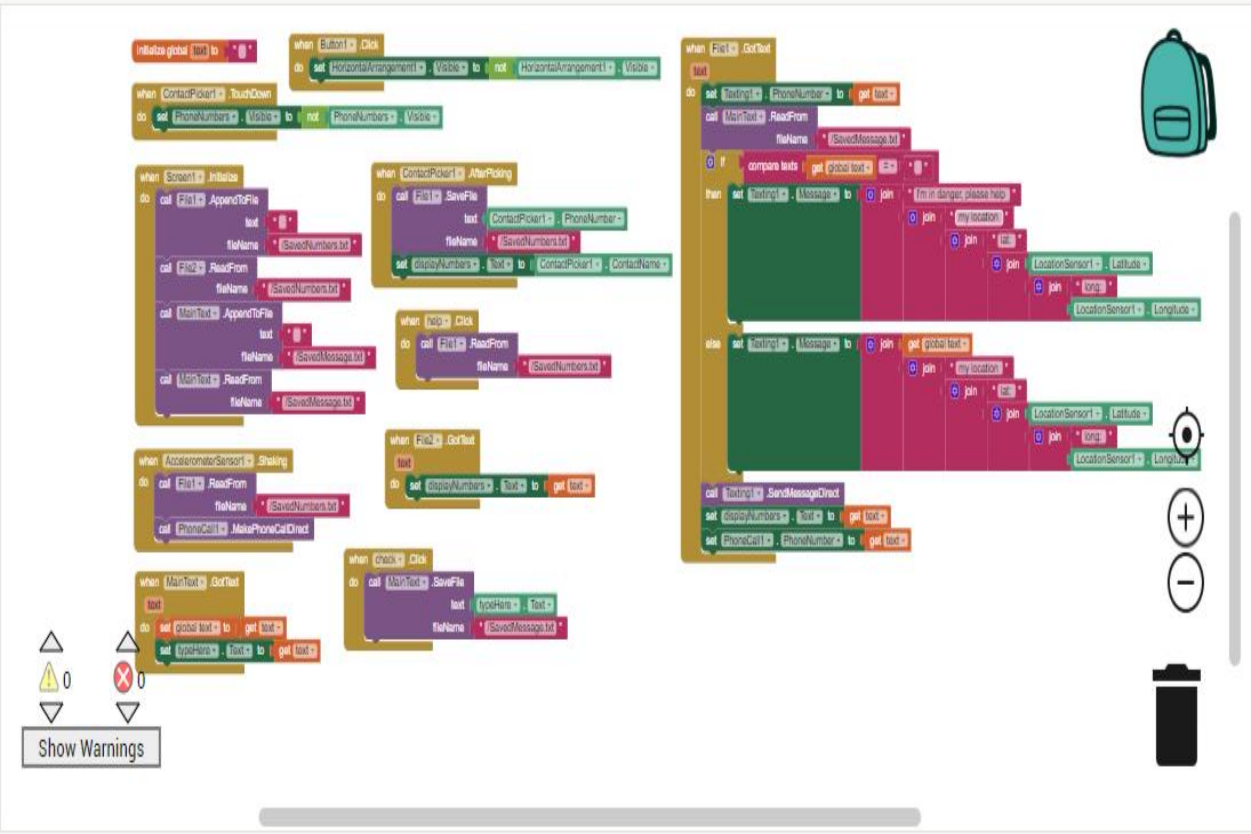
- **Tracking upon alert (and additional information upon alert):** The user is able to alert one or more parties when she finds herself in a dangerous situation. Usually, the information sent is the location of the user.
- A SMS along with a call is sent to a favourite contact /emergency contact chosen by her.
- The app dials that number just by shaking the phone.
- There is no need to search any contact or press any buttons as danger in a women's life doesn't come with any warning and hence the feature of shake n call is included in our app.
- The background of the app is kept dark in order to avoid the evil part attacking or trying to attack her of knowing that she has already sent a message to her contact.
- Along with calling and SMS facility the location is also sent automatically to the favourite contact or her family members.
- The best part of the app is its ease of use. This app can also be used by women without any technical background or to be specific by illiterates as well.
- The app is built using MIT APP INVENTOR as works flawlessly on any android version phones.
- The superior part of this app is that it can be sent through whatsapp to any friend & can be installed even through this medium.

2. Flow chart:



3. Code:

Design code:



Source code:

```
import android.os.Bundle;
import com.google.appinventor.components.runtime.AccelerometerSensor;
import com.google.appinventor.components.runtime.AppInventorCompatActivity;
import com.google.appinventor.components.runtime.Button;
import com.google.appinventor.components.runtime.Component;
import com.google.appinventor.components.runtime.ContactPicker;
import com.google.appinventor.components.runtime.EventDispatcher;
import com.google.appinventor.components.runtime.File;
import com.google.appinventor.components.runtime.Form;
import com.google.appinventor.components.runtime.HandlesEventDispatching;
import com.google.appinventor.components.runtime.HorizontalArrangement;
import com.google.appinventor.components.runtime.Label;
import com.google.appinventor.components.runtime.LocationSensor;
import com.google.appinventor.components.runtime.PhoneCall;
import com.google.appinventor.components.runtime.TextBox;
import com.google.appinventor.components.runtime.Texting;
import com.google.appinventor.components.runtime.errors.PermissionException;
import com.google.appinventor.components.runtime.errors.YailRuntimeError;
import com.google.appinventor.components.runtime.util.RetValManager;
import com.google.appinventor.components.runtime.util.RuntimeErrorAlert;
import com.google.youngandroid.runtime;
import gnu.expr.Language;
import gnu.expr.ModuleBody;
import gnu.expr.ModuleInfo;
import gnu.expr.ModuleMethod;
import gnu.kawa.functions.Apply;
import gnu.kawa.functions.Format;
import gnu.kawa.functions.GetNamedPart;
import gnu.kawa.functions.IsEqual;
import gnu.kawa.reflect.Invoke;
import gnu.kawa.reflect.SlotGet;
import gnu.kawa.reflect.SlotSet;
```

```
import gnu.lists.Consumer;
import gnu.lists.FString;
import gnu.lists.LList;
import gnu.lists.Pair;
import gnu.lists.PairWithPosition;
import gnu.lists.VoidConsumer;
import gnu.mapping.CallContext;
import gnu.mapping.Environment;
import gnu.mapping.Procedure;
import gnu.mapping.SimpleSymbol;
import gnu.mapping.Symbol;
import gnu.mapping.Values;
import gnu.mapping.WrongType;
import gnu.math.IntNum;
import kawa.lang.Promise;
import kawa.lib.lists;
import kawa.lib.misc;
import kawa.lib.strings;
import kawa.standard.Scheme;
import kawa.standard.require;

 static final SimpleSymbol Lit132;

 static final PairWithPosition Lit133;

 static final PairWithPosition Lit134;

 static final SimpleSymbol Lit135;

 static final SimpleSymbol Lit136;

 static final SimpleSymbol Lit137;

 static final SimpleSymbol Lit138;

 static final PairWithPosition Lit139;

 static final SimpleSymbol Lit14;

 static final PairWithPosition Lit140;

 static final PairWithPosition Lit141;

 static final PairWithPosition Lit142;

 static final PairWithPosition Lit143;

 static final PairWithPosition Lit144;

 static final PairWithPosition Lit145;

 static final PairWithPosition Lit146;

 static final PairWithPosition Lit147;

 static final PairWithPosition Lit148;

 static final SimpleSymbol Lit149;

 static final SimpleSymbol Lit15;

 static final SimpleSymbol Lit150;

 static final SimpleSymbol Lit151;

 static Object lambda10() {
  runtime.setAndCoerceProperty$Ex(Lit51, Lit30, Lit31, Lit8);
  runtime.setAndCoerceProperty$Ex(Lit51, Lit32, Lit33, Lit8);
  runtime.setAndCoerceProperty$Ex(Lit51, Lit6, Lit52, Lit8);
  runtime.setAndCoerceProperty$Ex(Lit51, Lit35, Lit53, Lit8);
  return runtime.setAndCoerceProperty$Ex(Lit51, Lit37, Lit38, Lit8);
 }

 static Object lambda11() {
  runtime.setAndCoerceProperty$Ex(Lit56, Lit35, Lit57, Lit8);
  runtime.setAndCoerceProperty$Ex(Lit56, Lit58, "stop-512.png", Lit5);
  return runtime.setAndCoerceProperty$Ex(Lit56, Lit37, Lit59, Lit8);
 }

 static Object lambda12() {
  runtime.setAndCoerceProperty$Ex(Lit56, Lit35, Lit57, Lit8);
  runtime.setAndCoerceProperty$Ex(Lit56, Lit58, "stop-512.png", Lit5);
  return runtime.setAndCoerceProperty$Ex(Lit56, Lit37, Lit59, Lit8);
 }

 static Object lambda13() {
  runtime.setAndCoerceProperty$Ex(Lit65, Lit32, Lit33, Lit8);
  runtime.setAndCoerceProperty$Ex(Lit65, Lit6, Lit66, Lit8);
  runtime.setAndCoerceProperty$Ex(Lit65, Lit35, Lit67, Lit8);
  return runtime.setAndCoerceProperty$Ex(Lit65, Lit37, Lit38, Lit8);
 }

 static Object lambda14() {
  runtime.setAndCoerceProperty$Ex(Lit65, Lit32, Lit33, Lit8);
  runtime.setAndCoerceProperty$Ex(Lit65, Lit6, Lit66, Lit8);
  runtime.setAndCoerceProperty$Ex(Lit65, Lit35, Lit67, Lit8);
  return runtime.setAndCoerceProperty$Ex(Lit65, Lit37, Lit38, Lit8);
 }

 static Object lambda15() {
  runtime.setAndCoerceProperty$Ex(Lit70, Lit35, Lit71, Lit8);
  runtime.setAndCoerceProperty$Ex(Lit70, Lit58, "phone.png", Lit5);
  return runtime.setAndCoerceProperty$Ex(Lit70, Lit37, Lit72, Lit8);
 }

 static Object lambda16() {
  runtime.setAndCoerceProperty$Ex(Lit70, Lit35, Lit71, Lit8);
  runtime.setAndCoerceProperty$Ex(Lit70, Lit58, "phone.png", Lit5);
  return runtime.setAndCoerceProperty$Ex(Lit70, Lit37, Lit72, Lit8);
 }

 static Object lambda17() {
  runtime.setAndCoerceProperty$Ex(Lit87, Lit35, Lit88, Lit8);
  runtime.setAndCoerceProperty$Ex(Lit87, Lit58, "messages.png", Lit5);
  return runtime.setAndCoerceProperty$Ex(Lit87, Lit37, Lit89, Lit8);
 }

 static Object lambda18() {
  runtime.setAndCoerceProperty$Ex(Lit87, Lit35, Lit88, Lit8);
  runtime.setAndCoerceProperty$Ex(Lit87, Lit58, "messages.png", Lit5);
  return runtime.setAndCoerceProperty$Ex(Lit87, Lit37, Lit89, Lit8);
 }

 static Object lambda19() {
  runtime.setAndCoerceProperty$Ex(Lit91, Lit32, Lit33, Lit8);
  runtime.setAndCoerceProperty$Ex(Lit91, Lit6, Lit96, Lit8);
  runtime.setAndCoerceProperty$Ex(Lit91, Lit35, Lit38, Lit8);
  runtime.setAndCoerceProperty$Ex(Lit91, Lit75, Boolean.FALSE, Lit12);
  return runtime.setAndCoerceProperty$Ex(Lit91, Lit37, Lit38, Lit8);
 }

 public static SimpleSymbol lambda1symbolAppend$V(Object[]
paramArrayOfObject) {
   LList lList2 = LList.makeList(paramArrayOfObject, 0);
   Apply apply = Scheme.apply;
   ModuleMethod moduleMethod = strings.string$Mnappend;
   LList lList1 = LList.Empty;
   while (true) {
    Object object1;
    Object object2;
    if (lList2 == LList.Empty) {
     object1 = apply.apply2(moduleMethod, LList.reverseInPlace(lList1));
     try {
      CharSequence charSequence = (CharSequence)object1;
      return misc.string$To$Symbol(charSequence);
     } catch (ClassCastException null) {
      throw new WrongType(object2, "string->symbol", 1, object1);
     }
    }
    try {
     Pair pair = (Pair)object2;
     object2 = pair.getCdr();
     Object object = pair.getCar();
     try {
      Symbol symbol = (Symbol)object;
      object1 = Pair.make(misc.symbol$To$String(symbol), object1);
     } catch (ClassCastException classCastException) {
      throw new WrongType(classCastException, "symbol->string", 1, object);
     }
    } catch (ClassCastException classCastException) {
     throw new WrongType(classCastException, "arg0", -2, object2);
    }
   }
 }

 static Object lambda2() {
  return null;
 }

 static Object lambda20() {
  runtime.setAndCoerceProperty$Ex(Lit91, Lit32, Lit33, Lit8);
  runtime.setAndCoerceProperty$Ex(Lit91, Lit6, Lit96, Lit8);
  runtime.setAndCoerceProperty$Ex(Lit91, Lit35, Lit38, Lit8);
  runtime.setAndCoerceProperty$Ex(Lit91, Lit75, Boolean.FALSE, Lit12);
  return runtime.setAndCoerceProperty$Ex(Lit91, Lit37, Lit38, Lit8);
 }

 static Object lambda21() {
  return runtime.setAndCoerceProperty$Ex(Lit99, Lit100, "Hint for TextBox1",
Lit5);
  }

 static Object lambda22() {
  return runtime.setAndCoerceProperty$Ex(Lit99, Lit100, "Hint for TextBox1",
Lit5);
  }

 static Object lambda23() {
  runtime.setAndCoerceProperty$Ex(Lit103, Lit35, Lit104, Lit8);
  runtime.setAndCoerceProperty$Ex(Lit103, Lit58, "check-1-icon.png", Lit5);
  return runtime.setAndCoerceProperty$Ex(Lit103, Lit37, Lit105, Lit8);
 }

 static Object lambda24() {
  runtime.setAndCoerceProperty$Ex(Lit103, Lit35, Lit104, Lit8);
  runtime.setAndCoerceProperty$Ex(Lit103, Lit58, "check-1-icon.png", Lit5);
  return runtime.setAndCoerceProperty$Ex(Lit103, Lit37, Lit105, Lit8);
 }

 static Object lambda25() {
  runtime.setAndCoerceProperty$Ex(Lit74, Lit6, Lit110, Lit8);
  runtime.setAndCoerceProperty$Ex(Lit74, Lit35, Lit111, Lit8);
```

```
  runtime.setAndCoerceProperty$Ex(Lit74, Lit75, Boolean.FALSE, Lit12);
  return runtime.setAndCoerceProperty$Ex(Lit74, Lit37, Lit38, Lit8);
}

static Object lambda26() {
  runtime.setAndCoerceProperty$Ex(Lit74, Lit6, Lit110, Lit8);
  runtime.setAndCoerceProperty$Ex(Lit74, Lit35, Lit111, Lit8);
  runtime.setAndCoerceProperty$Ex(Lit74, Lit75, Boolean.FALSE, Lit12);
  return runtime.setAndCoerceProperty$Ex(Lit74, Lit37, Lit38, Lit8);
}

static Object lambda27() {
  runtime.setAndCoerceProperty$Ex(Lit82, Lit43, Lit114, Lit8);
  return runtime.setAndCoerceProperty$Ex(Lit82, Lit47, Lit115, Lit8);
}

static Object lambda28() {
  runtime.setAndCoerceProperty$Ex(Lit82, Lit43, Lit114, Lit8);
  return runtime.setAndCoerceProperty$Ex(Lit82, Lit47, Lit115, Lit8);
}

static Object lambda29() {
  return runtime.setAndCoerceProperty$Ex(Lit126, Lit127, Lit128, Lit8);
}

static String lambda3() {
  return "";
}

static Object lambda30() {
  return runtime.setAndCoerceProperty$Ex(Lit126, Lit127, Lit128, Lit8);
}

static Object lambda4() {
  runtime.setAndCoerceProperty$Ex(Lit0, Lit4, "A Women Safety", Lit5);
  runtime.setAndCoerceProperty$Ex(Lit0, Lit6, Lit7, Lit8);
  runtime.setAndCoerceProperty$Ex(Lit0, Lit9, "female-icon.png", Lit5);
  runtime.setAndCoerceProperty$Ex(Lit0, Lit10, "portrait", Lit5);
  runtime.setAndCoerceProperty$Ex(Lit0, Lit11, Boolean.TRUE, Lit12);
  runtime.setAndCoerceProperty$Ex(Lit0, Lit13, Boolean.FALSE, Lit12);
  runtime.setAndCoerceProperty$Ex(Lit0, Lit14, "Responsive", Lit5);
  runtime.setAndCoerceProperty$Ex(Lit0, Lit15, "Screen1", Lit5);
  return runtime.setAndCoerceProperty$Ex(Lit0, Lit16, Boolean.FALSE, Lit12);
}

static Object lambda5() {
  runtime.setAndCoerceProperty$Ex(Lit29, Lit30, Lit31, Lit8);
  runtime.setAndCoerceProperty$Ex(Lit29, Lit32, Lit33, Lit8);
  runtime.setAndCoerceProperty$Ex(Lit29, Lit6, Lit34, Lit8);
  runtime.setAndCoerceProperty$Ex(Lit29, Lit35, Lit36, Lit8);
  return runtime.setAndCoerceProperty$Ex(Lit29, Lit37, Lit38, Lit8);
}

static Object lambda6() {
  runtime.setAndCoerceProperty$Ex(Lit29, Lit30, Lit31, Lit8);
  runtime.setAndCoerceProperty$Ex(Lit29, Lit32, Lit33, Lit8);
  runtime.setAndCoerceProperty$Ex(Lit29, Lit6, Lit34, Lit8);
  runtime.setAndCoerceProperty$Ex(Lit29, Lit35, Lit36, Lit8);
  return runtime.setAndCoerceProperty$Ex(Lit29, Lit37, Lit38, Lit8);
}

static Object lambda7() {
  runtime.setAndCoerceProperty$Ex(Lit41, Lit42, Boolean.TRUE, Lit12);
  runtime.setAndCoerceProperty$Ex(Lit41, Lit43, Lit44, Lit8);
  runtime.setAndCoerceProperty$Ex(Lit41, Lit45, Lit31, Lit8);
  runtime.setAndCoerceProperty$Ex(Lit41, Lit46, "Women Safety", Lit5);
  return runtime.setAndCoerceProperty$Ex(Lit41, Lit47, Lit48, Lit8);
}

static Object lambda8() {
  runtime.setAndCoerceProperty$Ex(Lit41, Lit42, Boolean.TRUE, Lit12);
  runtime.setAndCoerceProperty$Ex(Lit41, Lit43, Lit44, Lit8);
  runtime.setAndCoerceProperty$Ex(Lit41, Lit45, Lit31, Lit8);
  runtime.setAndCoerceProperty$Ex(Lit41, Lit46, "Women Safety", Lit5);
  return runtime.setAndCoerceProperty$Ex(Lit41, Lit47, Lit48, Lit8);
}

static Object lambda9() {
  runtime.setAndCoerceProperty$Ex(Lit51, Lit30, Lit31, Lit8);
  runtime.setAndCoerceProperty$Ex(Lit51, Lit32, Lit33, Lit8);
  runtime.setAndCoerceProperty$Ex(Lit51, Lit6, Lit52, Lit8);
  runtime.setAndCoerceProperty$Ex(Lit51, Lit35, Lit53, Lit8);
  return runtime.setAndCoerceProperty$Ex(Lit51, Lit37, Lit38, Lit8);
}

public void $define() {
  Language.setDefaults((Language)Scheme.getInstance());
  try {
    run();
  } catch (Exception exception) {
    androidLogForm(exception.getMessage());
    processException(exception);
  }
  Screen1 = this;
  addToFormEnvironment((Symbol)Lit0, this);
  LList lList = this.events$Mnto$Mnregister;
  while (true) {
    if (lList == LList.Empty)
      try {
        lList = lists.reverse(this.components$Mnto$Mncreate);
        addToGlobalVars(Lit2, lambda$Fn1);
        LList lList1 = lists.reverse(this.form$Mndo$Mnafter$Mncreation);
        while (true) {
          Object object1;
          if (lList1 == LList.Empty) {
            lList1 = lList;
            while (true) {
              Object object2;
              if (lList1 == LList.Empty) {
                lList1 = lists.reverse(this.global$Mnvars$Mnto$Mncreate);
                while (true) {
                  if (lList1 == LList.Empty) {
                    lList1 = lList;
                    while (true) {
                      if (lList1 == LList.Empty)
                        while (true) {
                          lList1 = LList.Empty;
                          if (lList == lList1)
                            return;
                          try {
                            Pair pair = (Pair)lList;
                            object = pair.getCar();
                            Object object3 = lists.caddr.apply1(object);
                            lists.cadddr.apply1(object);
                            callInitialize(SlotGet.field.apply2(this, object3));
                            object = pair.getCdr();
                          } catch (ClassCastException null) {
                            throw new WrongType(object1, "arg0", -2, object);
                          }
                        }
                      try {
                        Pair pair = (Pair)object1;
                        object1 = pair.getCar();
                        lists.caddr.apply1(object1);
                        object1 = lists.cadddr.apply1(object1);
                        if (object1 != Boolean.FALSE)
                          Scheme.applyToArgs.apply1(object1);
                        object1 = pair.getCdr();
                      } catch (ClassCastException null) {
                        throw new WrongType(object, "arg0", -2, object1);
                      }
                    }
                    break;
                  }
                  try {
                    Pair pair = (Pair)object1;
                    Object object3 = pair.getCar();
                    object1 = lists.car.apply1(object3);
                    object3 = lists.cadr.apply1(object3);
                    try {
                      object2 = object1;
                      addToGlobalVarEnvironment((Symbol)object2,
Scheme.applyToArgs.apply1(object3));
                      object1 = pair.getCdr();
                    } catch (ClassCastException null) {}
                  } catch (ClassCastException null) {
                    throw new WrongType(object, "arg0", -2, object1);
                  }
                  throw new WrongType(object, "add-to-global-var-environment", 0,
object1);
                }
                break;
              }
              try {
                Pair pair = (Pair)object1;
                object2 = pair.getCar();
                object1 = lists.caddr.apply1(object2);
                lists.cadddr.apply1(object2);
                Object object3 = lists.cadr.apply1(object2);
                object2 = lists.car.apply1(object2);
                try {
                  Symbol symbol = (Symbol)object2;
                  object2 = lookupInFormEnvironment(symbol);
                  object3 = Invoke.make.apply2(object3, object2);
                  SlotSet.set$Mnfield$Ex.apply3(this, object1, object3);
                  try {
                    object2 = object1;
                    addToFormEnvironment((Symbol)object2, object3);
                    object1 = pair.getCdr();
                  } catch (ClassCastException null) {}
                } catch (ClassCastException null) {}
              } catch (ClassCastException null) {
                throw new WrongType(object, "arg0", -2, object1);
              }
              throw new WrongType(object, "lookup-in-form-environment", 0, object2);
            }
            break;
          }
          try {
            Pair pair = (Pair)object1;
            misc.force(pair.getCar());
            object1 = pair.getCdr();
          } catch (ClassCastException null) {
            throw new WrongType(object, "arg0", -2, object1);
          }
        }
        continue;
      } catch (YailRuntimeError object) {
        processException(object);
        return;
      }
    try {
```

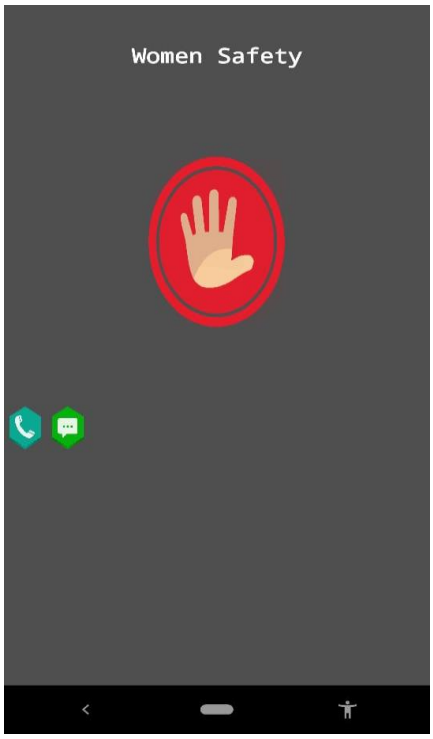
```
      Pair pair = (Pair)object;
      Object object1 = pair.getCar();
      object = lists.car.apply1(object1);
      if (object == null) {
        object = null;
      } else {
        object = object.toString();
      }
      object1 = lists.cdr.apply1(object1);
      if (object1 == null) {
        object1 = null;
      } else {
        object1 = object1.toString();
      }
      EventDispatcher.registerEventForDelegation((HandlesEventDispatching)this,
(String)object, (String)object1);
      object = pair.getCdr();
    } catch (ClassCastException classCastException) {
      throw new WrongType(classCastException, "arg0", -2, object);
    }
  }
}

public Object AccelerometerSensor1$Shaking() {
  runtime.setThisForm();
  runtime.callComponentMethod(Lit17, Lit21, LList.list1("/SavedNumbers.txt"),
Lit120);
  return runtime.callComponentMethod(Lit121, Lit122, LList.Empty, LList.Empty);
}

public Object Button1$LongClick() {
  runtime.setThisForm();
  return runtime.setAndCoerceProperty$Ex(Lit91, Lit75,
runtime.callYailPrimitive(runtime.yail$Mnnot,
LList.list1(runtime.getProperty$1(Lit91, Lit75)), Lit92, "not"), Lit12);
}

public Object ContactPicker1$AfterPicking() {
  runtime.setThisForm();
  runtime.callComponentMethod(Lit17, Lit79,
LList.list2(runtime.getProperty$1(Lit70, Lit80), "/SavedNumbers.txt"), Lit81);
  return runtime.setAndCoerceProperty$Ex(Lit82, Lit46,
runtime.getProperty$1(Lit70, Lit83), Lit5);
}

public Object ContactPicker1$TouchDown() {
  runtime.setThisForm();
  return runtime.setAndCoerceProperty$Ex(Lit74, Lit75,
runtime.callYailPrimitive(runtime.yail$Mnnot,
LList.list1(runtime.getProperty$1(Lit74, Lit75)), Lit76, "not"), Lit12);
}

public Object File1$GotText(Object paramObject) {
  paramObject = runtime.sanitizeComponentData(paramObject);
  runtime.setThisForm();
  SimpleSymbol simpleSymbol1 = Lit126;
  SimpleSymbol simpleSymbol2 = Lit80;
  if (paramObject instanceof Package) {
    object = runtime.signalRuntimeError(strings.stringAppend(new Object[] { "The
variable ", runtime.getDisplayRepresentation(Lit132), " is not bound in the current
context" }, ), "Unbound Variable");
  } else {
    object = paramObject;
  }
  runtime.setAndCoerceProperty$Ex(simpleSymbol1, simpleSymbol2, object, Lit5);
  runtime.callComponentMethod(Lit23, Lit21, LList.list1("/SavedMessage.txt"),
Lit133);
  if (runtime.callYailPrimitive(strings.string$Eq$Qu,
LList.list2(runtime.lookupGlobalVarInCurrentFormEnvironment((Symbol)Lit3,
runtime.$Stthe$Mnnull$Mnvalue$St), ""), Lit134, "text=") != Boolean.FALSE) {
    runtime.setAndCoerceProperty$Ex(Lit126, Lit135,
runtime.callYailPrimitive(strings.string$Mnappend, LList.list2("I'm in danger, please
help ", runtime.callYailPrimitive(strings.string$Mnappend, LList.list2("my location ",
runtime.callYailPrimitive(strings.string$Mnappend, LList.list2("lat: ",
runtime.callYailPrimitive(strings.string$Mnappend,
LList.list2(runtime.getProperty$1(Lit136, Lit137),
runtime.callYailPrimitive(strings.string$Mnappend, LList.list2("long: ",
runtime.getProperty$1(Lit136, Lit138)), Lit139, "join")), Lit140, "join")), Lit141,
"join")), Lit142, "join")), Lit143, "join"), Lit5);
  } else {
    runtime.setAndCoerceProperty$Ex(Lit126, Lit135,
runtime.callYailPrimitive(strings.string$Mnappend,
LList.list2(runtime.lookupGlobalVarInCurrentFormEnvironment((Symbol)Lit3,
runtime.$Stthe$Mnnull$Mnvalue$St),
runtime.callYailPrimitive(strings.string$Mnappend, LList.list2("my location ",
runtime.callYailPrimitive(strings.string$Mnappend, LList.list2("lat: ",
runtime.callYailPrimitive(strings.string$Mnappend,
LList.list2(runtime.getProperty$1(Lit136, Lit137),
runtime.callYailPrimitive(strings.string$Mnappend, LList.list2("long: ",
runtime.getProperty$1(Lit136, Lit138)), Lit144, "join")), Lit145, "join")), Lit146,
"join")), Lit147, "join")), Lit148, "join"), Lit5);
  }
  runtime.callComponentMethod(Lit126, Lit149, LList.Empty, LList.Empty);
  simpleSymbol1 = Lit82;
  simpleSymbol2 = Lit46;
  if (paramObject instanceof Package) {
    object = runtime.signalRuntimeError(strings.stringAppend(new Object[] { "The
variable ", runtime.getDisplayRepresentation(Lit132), " is not bound in the current
context" }, ), "Unbound Variable");
  } else {
    object = paramObject;
  }
  runtime.setAndCoerceProperty$Ex(simpleSymbol1, simpleSymbol2, object, Lit5);
  simpleSymbol1 = Lit121;
  simpleSymbol2 = Lit80;
  Object object = paramObject;
  if (paramObject instanceof Package)
    object = runtime.signalRuntimeError(strings.stringAppend(new Object[] { "The
variable ", runtime.getDisplayRepresentation(Lit132), " is not bound in the current
context" }, ), "Unbound Variable");
  return runtime.setAndCoerceProperty$Ex(simpleSymbol1, simpleSymbol2, object,
Lit5);
}

public Object File2$GotText(Object paramObject) {
  Object object = runtime.sanitizeComponentData(paramObject);
  runtime.setThisForm();
  SimpleSymbol simpleSymbol1 = Lit82;
  SimpleSymbol simpleSymbol2 = Lit46;
  paramObject = object;
  if (object instanceof Package)
    paramObject = runtime.signalRuntimeError(strings.stringAppend(new Object[] {
"The variable ", runtime.getDisplayRepresentation(Lit132), " is not bound in the
current context" }, ), "Unbound Variable");
  return runtime.setAndCoerceProperty$Ex(simpleSymbol1, simpleSymbol2,
paramObject, Lit5);
}

public Object MainText$GotText(Object paramObject) {
  paramObject = runtime.sanitizeComponentData(paramObject);
  runtime.setThisForm();
  SimpleSymbol simpleSymbol1 = Lit3;
  if (paramObject instanceof Package) {
    object = runtime.signalRuntimeError(strings.stringAppend(new Object[] { "The
variable ", runtime.getDisplayRepresentation(Lit132), " is not bound in the current
context" }, ), "Unbound Variable");
  } else {
    object = paramObject;
  }
  runtime.addGlobalVarToCurrentFormEnvironment((Symbol)simpleSymbol1,
object);
  simpleSymbol1 = Lit99;
  SimpleSymbol simpleSymbol2 = Lit46;
  Object object = paramObject;
  if (paramObject instanceof Package)
    object = runtime.signalRuntimeError(strings.stringAppend(new Object[] { "The
variable ", runtime.getDisplayRepresentation(Lit132), " is not bound in the current
context" }, ), "Unbound Variable");
  return runtime.setAndCoerceProperty$Ex(simpleSymbol1, simpleSymbol2, object,
Lit5);
}

public Object Screen1$Initialize() {
  runtime.setThisForm();
  runtime.callComponentMethod(Lit17, Lit18, LList.list2("", "/SavedNumbers.txt"),
Lit19);
  runtime.callComponentMethod(Lit20, Lit21, LList.list1("/SavedNumbers.txt"),
Lit22);
  runtime.callComponentMethod(Lit23, Lit18, LList.list2("", "/SavedMessage.txt"),
Lit24);
  return runtime.callComponentMethod(Lit23, Lit21,
LList.list1("/SavedMessage.txt"), Lit25);
}

public void addToComponents(Object paramObject1, Object paramObject2, Object
paramObject3, Object paramObject4) {
  this.components$Mnto$Mncreate = (LList)lists.cons(LList.list4(paramObject1,
paramObject2, paramObject3, paramObject4), this.components$Mnto$Mncreate);
}

public void addToEvents(Object paramObject1, Object paramObject2) {
  this.events$Mnto$Mnregister = (LList)lists.cons(lists.cons(paramObject1,
paramObject2), this.events$Mnto$Mnregister);
}

public void addToFormDoAfterCreation(Object paramObject) {
  this.form$Mndo$Mnafter$Mncreation = (LList)lists.cons(paramObject,
this.form$Mndo$Mnafter$Mncreation);
}

public void addToFormEnvironment(Symbol paramSymbol, Object paramObject) {
  androidLogForm(Format.formatToString(0, new Object[] { "Adding ~A to env ~A
with value ~A", paramSymbol, this.form$Mnenvironment, paramObject }));
  this.form$Mnenvironment.put(paramSymbol, paramObject);
}

public void addToGlobalVarEnvironment(Symbol paramSymbol, Object
paramObject) {
  androidLogForm(Format.formatToString(0, new Object[] { "Adding ~A to env ~A
with value ~A", paramSymbol, this.global$Mnvar$Mnenvironment, paramObject }));
  this.global$Mnvar$Mnenvironment.put(paramSymbol, paramObject);
}

public void addToGlobalVars(Object paramObject1, Object paramObject2) {
  this.global$Mnvars$Mnto$Mncreate = (LList)lists.cons(LList.list2(paramObject1,
paramObject2), this.global$Mnvars$Mnto$Mncreate);
}

public void androidLogForm(Object paramObject) {}

public Object check$Click() {
  runtime.setThisForm();
```

```
    return runtime.callComponentMethod(Lit23, Lit79,
LList.list2(runtime.getProperty$1(Lit99, Lit46), "/SavedMessage.txt"), Lit107);
  }

  public boolean dispatchEvent(Component paramComponent, String paramString1,
String paramString2, Object[] paramArrayOfObject) {
    SimpleSymbol simpleSymbol = misc.string$To$Symbol(paramString1);
    if (isBoundInFormEnvironment((Symbol)simpleSymbol)) {
      if (lookupInFormEnvironment((Symbol)simpleSymbol) == paramComponent) {
        object = lookupHandler(paramString1, paramString2);
        try {
          Scheme.apply.apply2(object, LList.makeList(paramArrayOfObject, 0));
          return true;
        } catch (PermissionException object) {
          boolean bool;
          object.printStackTrace();
          if (this == paramComponent) {
            bool = true;
          } else {
            bool = false;
          }
          if (bool ? IsEqual.apply(paramString2, "PermissionNeeded") : bool) {
            processException(object);
            return false;
          }
          PermissionDenied(paramComponent, paramString2,
object.getPermissionNeeded());
          return false;
        } catch (Throwable throwable) {
          androidLogForm(throwable.getMessage());
          throwable.printStackTrace();
          processException(throwable);
          return false;
        }
      }
      return false;
    }
    EventDispatcher.unregisterEventForDelegation((HandlesEventDispatching)this,
(String)object, paramString2);
    return false;
  }

  public void dispatchGenericEvent(Component paramComponent, String
paramString, boolean paramBoolean, Object[] paramArrayOfObject) {
    boolean bool = true;
    Object object =
lookupInFormEnvironment((Symbol)misc.string$To$Symbol((CharSequence)strings.
stringAppend(new Object[] { "any$", getSimpleName(paramComponent), "$",
paramString }));
    if (object != Boolean.FALSE)
      try {
        Boolean bool1;
        Apply apply = Scheme.apply;
        if (paramBoolean) {
          bool1 = Boolean.TRUE;
        } else {
          bool1 = Boolean.FALSE;
        }
        apply.apply2(object, lists.cons(paramComponent, lists.cons(bool1,
LList.makeList(paramArrayOfObject, 0))));
        return;
      } catch (PermissionException permissionException) {
        permissionException.printStackTrace();
        if (this != paramComponent)
          bool = false;
        if (bool ? IsEqual.apply(paramString, "PermissionNeeded") : bool) {
          processException(permissionException);
          return;
        }
        PermissionDenied(paramComponent, paramString,
permissionException.getPermissionNeeded());
        return;
      } catch (Throwable throwable) {
        androidLogForm(throwable.getMessage());
        throwable.printStackTrace();
        processException(throwable);
      }
  }

  public String getSimpleName(Object paramObject) {
    return paramObject.getClass().getSimpleName();
  }

  public Object help$Click() {
    runtime.setThisForm();
    return runtime.callComponentMethod(Lit17, Lit21,
LList.list1("/SavedNumbers.txt"), Lit61);
  }

  public boolean isBoundInFormEnvironment(Symbol paramSymbol) {
    return this.form$Mnenvironment.isBound(paramSymbol);
  }

  public Object lookupHandler(Object paramObject1, Object paramObject2) {
    Object object = null;
    if (paramObject1 == null) {
      paramObject1 = null;
    } else {
      paramObject1 = paramObject1.toString();
    }
    if (paramObject2 == null) {
      paramObject2 = object;
      return
lookupInFormEnvironment((Symbol)misc.string$To$Symbol(EventDispatcher.make
FullEventName((String)paramObject1, (String)paramObject2)));
    }
    paramObject2 = paramObject2.toString();
    return
lookupInFormEnvironment((Symbol)misc.string$To$Symbol(EventDispatcher.make
FullEventName((String)paramObject1, (String)paramObject2)));
  }

  public Object lookupInFormEnvironment(Symbol paramSymbol) {
    return lookupInFormEnvironment(paramSymbol, Boolean.FALSE);
  }

  public Object lookupInFormEnvironment(Symbol paramSymbol, Object
paramObject) {
    if (this.form$Mnenvironment == null) {
      i = 1;
    } else {
      i = 0;
    }
    int i = i + 1 & 0x1;
    if ((i != 0) ? this.form$Mnenvironment.isBound(paramSymbol) : (i != 0))
      paramObject = this.form$Mnenvironment.get(paramSymbol);
    return paramObject;
  }

  public void onCreate(Bundle paramBundle) {
    AppInventorCompatActivity.setClassicModeFromYail(true);
    super.onCreate(paramBundle);
  }

  public void processException(Object paramObject) {
    Object object =
Scheme.applyToArgs.apply1(GetNamedPart.getNamedPart.apply2(paramObject,
Lit1));
    if (object == null) {
      object = null;
    } else {
      object = object.toString();
    }
    if (paramObject instanceof YailRuntimeError) {
      paramObject = ((YailRuntimeError)paramObject).getErrorType();
    } else {
      paramObject = "Runtime Error";
    }
    RuntimeErrorAlert.alert(this, (String)object, (String)paramObject, "End
Application");
  }

  public void run() {
    CallContext callContext = CallContext.getInstance();
    Consumer consumer = callContext.consumer;
    callContext.consumer = (Consumer)VoidConsumer.instance;
    try {
      run(callContext);
      throwable = null;
    } catch (Throwable throwable) {}
    ModuleBody.runCleanup(callContext, throwable, consumer);
  }

  public final void run(CallContext paramCallContext) {
    Consumer consumer = paramCallContext.consumer;
    Object object = require.find("com.google.youngandroid.runtime");
    try {
      Runnable runnable = (Runnable)object;
      runnable.run();
      this.$Stdebug$Mnform$St = Boolean.FALSE;
      this.form$Mnenvironment =
(Environment)Environment.make(misc.symbol$To$String((Symbol)Lit0));
      object = strings.stringAppend(new Object[] {
misc.symbol$To$String((Symbol)Lit0), "-global-vars" });
      if (object == null) {
        object = null;
      } else {
        object = object.toString();
      }
      this.global$Mnvar$Mnenvironment =
(Environment)Environment.make((String)object);
      Screen1 = null;
      this.form$Mnname$Mnsymbol = (Symbol)Lit0;
      this.events$Mnto$Mnregister = LList.Empty;
      this.components$Mnto$Mncreate = LList.Empty;
      this.global$Mnvars$Mnto$Mncreate = LList.Empty;
      this.form$Mndo$Mnafter$Mncreation = LList.Empty;
      object = require.find("com.google.youngandroid.runtime");
      try {
        runnable = (Runnable)object;
        runnable.run();
        if (runtime.$Stthis$Mnis$Mnthe$Mnrepl$St != Boolean.FALSE) {

Values.writeValues(runtime.addGlobalVarToCurrentFormEnvironment((Symbol)Lit3
, ""), consumer);
        } else {
          addToGlobalVars(Lit3, lambda$Fn2);
        }
        if (runtime.$Stthis$Mnis$Mnthe$Mnrepl$St != Boolean.FALSE) {
          runtime.setAndCoerceProperty$Ex(Lit0, Lit4, "A Women Safety", Lit5);
          runtime.setAndCoerceProperty$Ex(Lit0, Lit6, Lit7, Lit8);
          runtime.setAndCoerceProperty$Ex(Lit0, Lit9, "female-icon.png", Lit5);
```

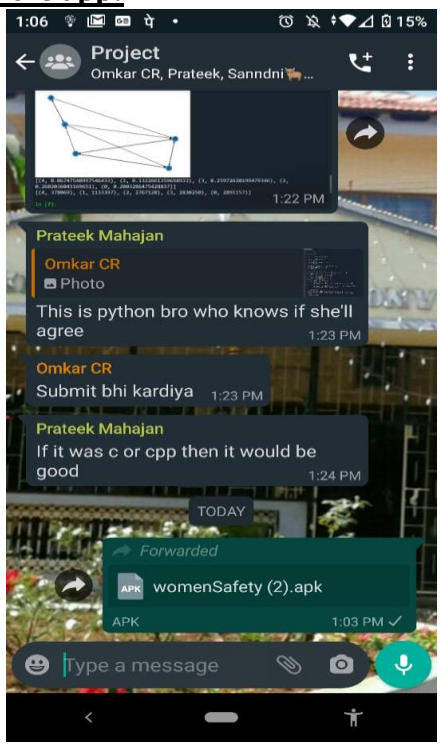
```
        runtime.setAndCoerceProperty$Ex(Lit0, Lit10, "portrait", Lit5);
        runtime.setAndCoerceProperty$Ex(Lit0, Lit11, Boolean.TRUE, Lit12);
        runtime.setAndCoerceProperty$Ex(Lit0, Lit13, Boolean.FALSE, Lit12);
        runtime.setAndCoerceProperty$Ex(Lit0, Lit14, "Responsive", Lit5);
        runtime.setAndCoerceProperty$Ex(Lit0, Lit15, "Screen1", Lit5);
        Values.writeValues(runtime.setAndCoerceProperty$Ex(Lit0, Lit16,
Boolean.FALSE, Lit12), consumer);
      } else {
        addToFormDoAfterCreation(new Promise((Procedure)lambda$Fn3));
      }
      if (runtime.$Stthis$Mnis$Mnthe$Mnrepl$St != Boolean.FALSE) {
        runtime.addToCurrentFormEnvironment((Symbol)Lit26,
this.Screen1$Initialize);
      } else {
        addToFormEnvironment((Symbol)Lit26, this.Screen1$Initialize);
      }
      if (runtime.$Stthis$Mnis$Mnthe$Mnrepl$St != Boolean.FALSE) {

EventDispatcher.registerEventForDelegation((HandlesEventDispatching)runtime.$Stt
his$Mnform$St, "Screen1", "Initialize");
      } else {
        addToEvents(Lit0, Lit27);
      }
      this.titleTab = null;
      if (runtime.$Stthis$Mnis$Mnthe$Mnrepl$St != Boolean.FALSE) {
        Values.writeValues(runtime.addComponentWithinRepl(Lit0, Lit28, Lit29,
lambda$Fn4), consumer);
      } else {
        addToComponents(Lit0, Lit39, Lit29, lambda$Fn5);
      }
      this.title = null;
      if (runtime.$Stthis$Mnis$Mnthe$Mnrepl$St != Boolean.FALSE) {
        Values.writeValues(runtime.addComponentWithinRepl(Lit29, Lit40, Lit41,
lambda$Fn6), consumer);
      } else {
        addToComponents(Lit29, Lit49, Lit41, lambda$Fn7);
      }
      this.helpTab = null;
      if (runtime.$Stthis$Mnis$Mnthe$Mnrepl$St != Boolean.FALSE) {
        Values.writeValues(runtime.addComponentWithinRepl(Lit0, Lit50, Lit51,
lambda$Fn8), consumer);
      } else {
        addToComponents(Lit0, Lit54, Lit51, lambda$Fn9);
      }
      this.help = null;
      if (runtime.$Stthis$Mnis$Mnthe$Mnrepl$St != Boolean.FALSE) {
        Values.writeValues(runtime.addComponentWithinRepl(Lit51, Lit55, Lit56,
lambda$Fn10), consumer);
      } else {
        addToComponents(Lit51, Lit60, Lit56, lambda$Fn11);
      }
      if (runtime.$Stthis$Mnis$Mnthe$Mnrepl$St != Boolean.FALSE) {
        runtime.addToCurrentFormEnvironment((Symbol)Lit62, this.help$Click);
      } else {
        addToFormEnvironment((Symbol)Lit62, this.help$Click);
      }
      if (runtime.$Stthis$Mnis$Mnthe$Mnrepl$St != Boolean.FALSE) {

EventDispatcher.registerEventForDelegation((HandlesEventDispatching)runtime.$Stt
his$Mnform$St, "help", "Click");
      } else {
        addToEvents(Lit56, Lit63);
      }
      this.contactSelect = null;
      if (runtime.$Stthis$Mnis$Mnthe$Mnrepl$St != Boolean.FALSE) {
        Values.writeValues(runtime.addComponentWithinRepl(Lit0, Lit64, Lit65,
lambda$Fn12), consumer);
      } else {
        addToComponents(Lit0, Lit68, Lit65, lambda$Fn13);
      }
      this.ContactPicker1 = null;
      if (runtime.$Stthis$Mnis$Mnthe$Mnrepl$St != Boolean.FALSE) {
        Values.writeValues(runtime.addComponentWithinRepl(Lit65, Lit69, Lit70,
lambda$Fn14), consumer);
      } else {
        addToComponents(Lit65, Lit73, Lit70, lambda$Fn15);
      }
      if (runtime.$Stthis$Mnis$Mnthe$Mnrepl$St != Boolean.FALSE) {
        runtime.addToCurrentFormEnvironment((Symbol)Lit77,
this.ContactPicker1$TouchDown);
      } else {
        addToFormEnvironment((Symbol)Lit77, this.ContactPicker1$TouchDown);
      }
      if (runtime.$Stthis$Mnis$Mnthe$Mnrepl$St != Boolean.FALSE) {

EventDispatcher.registerEventForDelegation((HandlesEventDispatching)runtime.$Stt
his$Mnform$St, "ContactPicker1", "TouchDown");
      } else {
        addToEvents(Lit70, Lit78);
      }
      if (runtime.$Stthis$Mnis$Mnthe$Mnrepl$St != Boolean.FALSE) {
        runtime.addToCurrentFormEnvironment((Symbol)Lit84,
this.ContactPicker1$AfterPicking);
      } else {
        addToFormEnvironment((Symbol)Lit84, this.ContactPicker1$AfterPicking);
      }
      if (runtime.$Stthis$Mnis$Mnthe$Mnrepl$St != Boolean.FALSE) {

EventDispatcher.registerEventForDelegation((HandlesEventDispatching)runtime.$Stt
his$Mnform$St, "ContactPicker1", "AfterPicking");
      } else {
        addToEvents(Lit70, Lit85);
      }
      this.Button1 = null;
      if (runtime.$Stthis$Mnis$Mnthe$Mnrepl$St != Boolean.FALSE) {
        Values.writeValues(runtime.addComponentWithinRepl(Lit65, Lit86, Lit87,
lambda$Fn16), consumer);
      } else {
        addToComponents(Lit65, Lit90, Lit87, lambda$Fn17);
      }
      if (runtime.$Stthis$Mnis$Mnthe$Mnrepl$St != Boolean.FALSE) {
        runtime.addToCurrentFormEnvironment((Symbol)Lit93,
this.Button1$LongClick);
      } else {
        addToFormEnvironment((Symbol)Lit93, this.Button1$LongClick);
      }
      if (runtime.$Stthis$Mnis$Mnthe$Mnrepl$St != Boolean.FALSE) {

EventDispatcher.registerEventForDelegation((HandlesEventDispatching)runtime.$Stt
his$Mnform$St, "Button1", "LongClick");
      } else {
        addToEvents(Lit87, Lit94);
      }
      this.HorizontalArrangement1 = null;
      if (runtime.$Stthis$Mnis$Mnthe$Mnrepl$St != Boolean.FALSE) {
        Values.writeValues(runtime.addComponentWithinRepl(Lit65, Lit95, Lit91,
lambda$Fn18), consumer);
      } else {
        addToComponents(Lit65, Lit97, Lit91, lambda$Fn19);
      }
      this.typeHere = null;
      if (runtime.$Stthis$Mnis$Mnthe$Mnrepl$St != Boolean.FALSE) {
        Values.writeValues(runtime.addComponentWithinRepl(Lit91, Lit98, Lit99,
lambda$Fn20), consumer);
      } else {
        addToComponents(Lit91, Lit101, Lit99, lambda$Fn21);
      }
      this.check = null;
      if (runtime.$Stthis$Mnis$Mnthe$Mnrepl$St != Boolean.FALSE) {
        Values.writeValues(runtime.addComponentWithinRepl(Lit91, Lit102, Lit103,
lambda$Fn22), consumer);
      } else {
        addToComponents(Lit91, Lit106, Lit103, lambda$Fn23);
      }
      if (runtime.$Stthis$Mnis$Mnthe$Mnrepl$St != Boolean.FALSE) {
        runtime.addToCurrentFormEnvironment((Symbol)Lit108, this.check$Click);
      } else {
        addToFormEnvironment((Symbol)Lit108, this.check$Click);
      }
      if (runtime.$Stthis$Mnis$Mnthe$Mnrepl$St != Boolean.FALSE) {

EventDispatcher.registerEventForDelegation((HandlesEventDispatching)runtime.$Stt
his$Mnform$St, "check", "Click");
      } else {
        addToEvents(Lit103, Lit63);
      }
      this.PhoneNumbers = null;
      if (runtime.$Stthis$Mnis$Mnthe$Mnrepl$St != Boolean.FALSE) {
        Values.writeValues(runtime.addComponentWithinRepl(Lit0, Lit109, Lit74,
lambda$Fn24), consumer);
      } else {
        addToComponents(Lit0, Lit112, Lit74, lambda$Fn25);
      }
      this.displayNumbers = null;
      if (runtime.$Stthis$Mnis$Mnthe$Mnrepl$St != Boolean.FALSE) {
        Values.writeValues(runtime.addComponentWithinRepl(Lit74, Lit113, Lit82,
lambda$Fn26), consumer);
      } else {
        addToComponents(Lit74, Lit116, Lit82, lambda$Fn27);
      }
      this.AccelerometerSensor1 = null;
      if (runtime.$Stthis$Mnis$Mnthe$Mnrepl$St != Boolean.FALSE) {
        Values.writeValues(runtime.addComponentWithinRepl(Lit0, Lit117, Lit118,
Boolean.FALSE), consumer);
      } else {
        addToComponents(Lit0, Lit119, Lit118, Boolean.FALSE);
      }
      if (runtime.$Stthis$Mnis$Mnthe$Mnrepl$St != Boolean.FALSE) {
        runtime.addToCurrentFormEnvironment((Symbol)Lit123,
this.AccelerometerSensor1$Shaking);
      } else {
        addToFormEnvironment((Symbol)Lit123,
this.AccelerometerSensor1$Shaking);
      }
      if (runtime.$Stthis$Mnis$Mnthe$Mnrepl$St != Boolean.FALSE) {

EventDispatcher.registerEventForDelegation((HandlesEventDispatching)runtime.$Stt
his$Mnform$St, "AccelerometerSensor1", "Shaking");
      } else {
        addToEvents(Lit118, Lit124);
      }
      this.Texting1 = null;
      if (runtime.$Stthis$Mnis$Mnthe$Mnrepl$St != Boolean.FALSE) {
        Values.writeValues(runtime.addComponentWithinRepl(Lit0, Lit125, Lit126,
lambda$Fn28), consumer);
      } else {
        addToComponents(Lit0, Lit129, Lit126, lambda$Fn29);
      }
      this.File1 = null;
      if (runtime.$Stthis$Mnis$Mnthe$Mnrepl$St != Boolean.FALSE) {
        Values.writeValues(runtime.addComponentWithinRepl(Lit0, Lit130, Lit17,
Boolean.FALSE), consumer);
```

```
    } else {
      addToComponents(Lit0, Lit131, Lit17, Boolean.FALSE);
    }
    if (runtime.$Stthis$Mnis$Mnthe$Mnrepl$St != Boolean.FALSE) {
      runtime.addToCurrentFormEnvironment((Symbol)Lit150, this.File1$GotText);
    } else {
      addToFormEnvironment((Symbol)Lit150, this.File1$GotText);
    }
    if (runtime.$Stthis$Mnis$Mnthe$Mnrepl$St != Boolean.FALSE) {

EventDispatcher.registerEventForDelegation((HandlesEventDispatching)runtime.$Stt
his$Mnform$St, "File1", "GotText");
    } else {
      addToEvents(Lit17, Lit151);
    }
    this.PhoneCall1 = null;
    if (runtime.$Stthis$Mnis$Mnthe$Mnrepl$St != Boolean.FALSE) {
      Values.writeValues(runtime.addComponentWithinRepl(Lit0, Lit152, Lit121,
Boolean.FALSE), consumer);
    } else {
      addToComponents(Lit0, Lit153, Lit121, Boolean.FALSE);
    }
    this.File2 = null;
    if (runtime.$Stthis$Mnis$Mnthe$Mnrepl$St != Boolean.FALSE) {
      Values.writeValues(runtime.addComponentWithinRepl(Lit0, Lit154, Lit20,
Boolean.FALSE), consumer);
    } else {
      addToComponents(Lit0, Lit155, Lit20, Boolean.FALSE);
    }
    if (runtime.$Stthis$Mnis$Mnthe$Mnrepl$St != Boolean.FALSE) {
      runtime.addToCurrentFormEnvironment((Symbol)Lit156, this.File2$GotText);
    } else {
      addToFormEnvironment((Symbol)Lit156, this.File2$GotText);
    }
    if (runtime.$Stthis$Mnis$Mnthe$Mnrepl$St != Boolean.FALSE) {

EventDispatcher.registerEventForDelegation((HandlesEventDispatching)runtime.$Stt
his$Mnform$St, "File2", "GotText");
    } else {
      addToEvents(Lit20, Lit151);
    }
    this.LocationSensor1 = null;
    if (runtime.$Stthis$Mnis$Mnthe$Mnrepl$St != Boolean.FALSE) {
      Values.writeValues(runtime.addComponentWithinRepl(Lit0, Lit157, Lit136,
Boolean.FALSE), consumer);
    } else {
      addToComponents(Lit0, Lit158, Lit136, Boolean.FALSE);
    }
    this.MainText = null;
    if (runtime.$Stthis$Mnis$Mnthe$Mnrepl$St != Boolean.FALSE) {
      Values.writeValues(runtime.addComponentWithinRepl(Lit0, Lit159, Lit23,
Boolean.FALSE), consumer);
    } else {
      addToComponents(Lit0, Lit160, Lit23, Boolean.FALSE);
    }
    if (runtime.$Stthis$Mnis$Mnthe$Mnrepl$St != Boolean.FALSE) {
      runtime.addToCurrentFormEnvironment((Symbol)Lit161,
this.MainText$GotText);
    } else {
      addToFormEnvironment((Symbol)Lit161, this.MainText$GotText);
    }
    if (runtime.$Stthis$Mnis$Mnthe$Mnrepl$St != Boolean.FALSE) {

EventDispatcher.registerEventForDelegation((HandlesEventDispatching)runtime.$Stt
his$Mnform$St, "MainText", "GotText");
    } else {
      addToEvents(Lit23, Lit151);
    }
    runtime.initRuntime();
    return;
   } catch (ClassCastException classCastException) {
    throw new WrongType(classCastException, "java.lang.Runnable.run()", 1,
object);
   }
  } catch (ClassCastException classCastException) {
   throw new WrongType(classCastException, "java.lang.Runnable.run()", 1,
object);
  }
 }

 public void sendError(Object paramObject) {
  if (paramObject == null) {
   paramObject = null;
  } else {
   paramObject = paramObject.toString();
  }
  RetValManager.sendError((String)paramObject);
 }
}
```

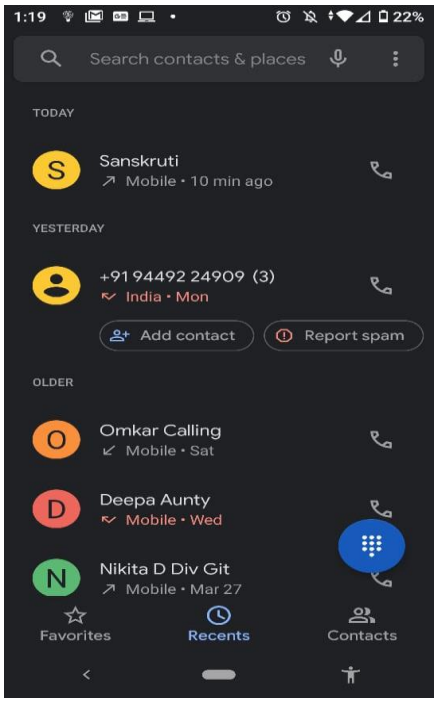
4. Snap shots of the app:



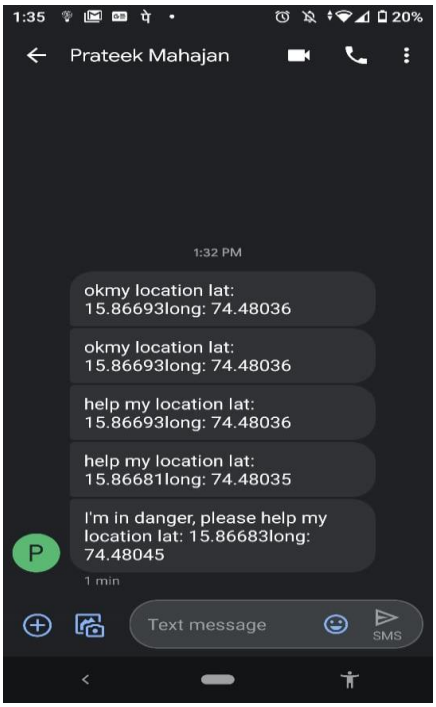
App when opened after successful Installation on android phone.



App can be easily shared through Whatsapp (***ease of sharing***)



Snap after calling when in danger. (Shown in call history after app Operated successfully.)

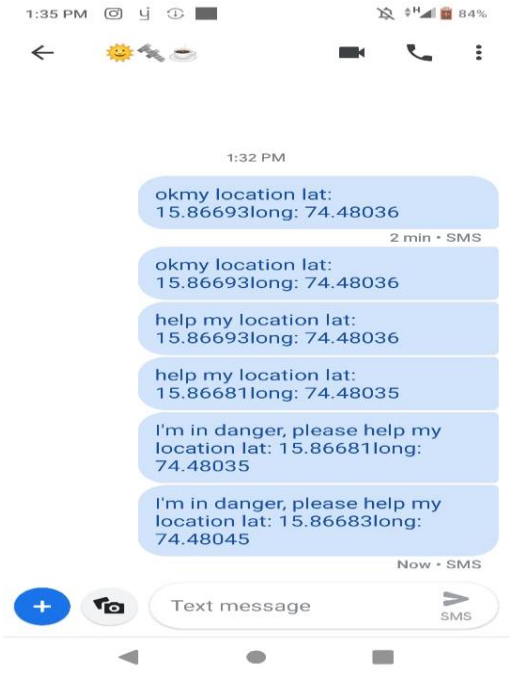


Sends messages to the emergency contact saved by the app user before & after calling.

5. Results:

The app shows accurate results when operated. The user need not be online for its usage and can even use this app in 1G mobile network connection. On opening the app and shaking the phone, the app automatically calls the mentioned emergency contact along with messages of danger. It also provides the location in the form of latitudinal and longitudinal information which can be easily traced by Google Maps.

Calling when shaking the phone.



Messages received by the recipient (Emergency contact received the SMS)

6. Conclusion:

The app is of great success and provides self-claim on women's safety thus rendering service of enormous confidence amongst the family members whenever their beloved daughter/wife/sister/mother is outdoors. Whatever may be the android version , this app is the best solution.

7.References:

http://teach.appinventor.mit.edu/
https://appinventor.mit.edu/explore/made-with-code
https://youtu.be/0hikoCvM3oc