Vertically Integrated Projects

FIU School of Computing & Information Sciences

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Social APP Ver 1.0

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ESToPP — Eradicating the School-to-Prison Pipeline

Problem

E-SToPP is a not-for-profit organization dedicated to eradicating the school-to-prison pipeline throughout southeastern Florida's most economically disadvantaged communities. However, in order to reach out to a larger number of families and schools, a new social app needed to be developed for its website. Enhancements were also needed for the website and same had to be reflected on app.

Problems Solved:
- Users needed easy access to the website information
- Lot of paperwork involved for user attempting to enroll for any volunteer opportunities. Create online form submission process instead of offline PDF submission
- Need to add new images to the website banner

Current System

App currently available for download in Google play store (E-SToPP App).
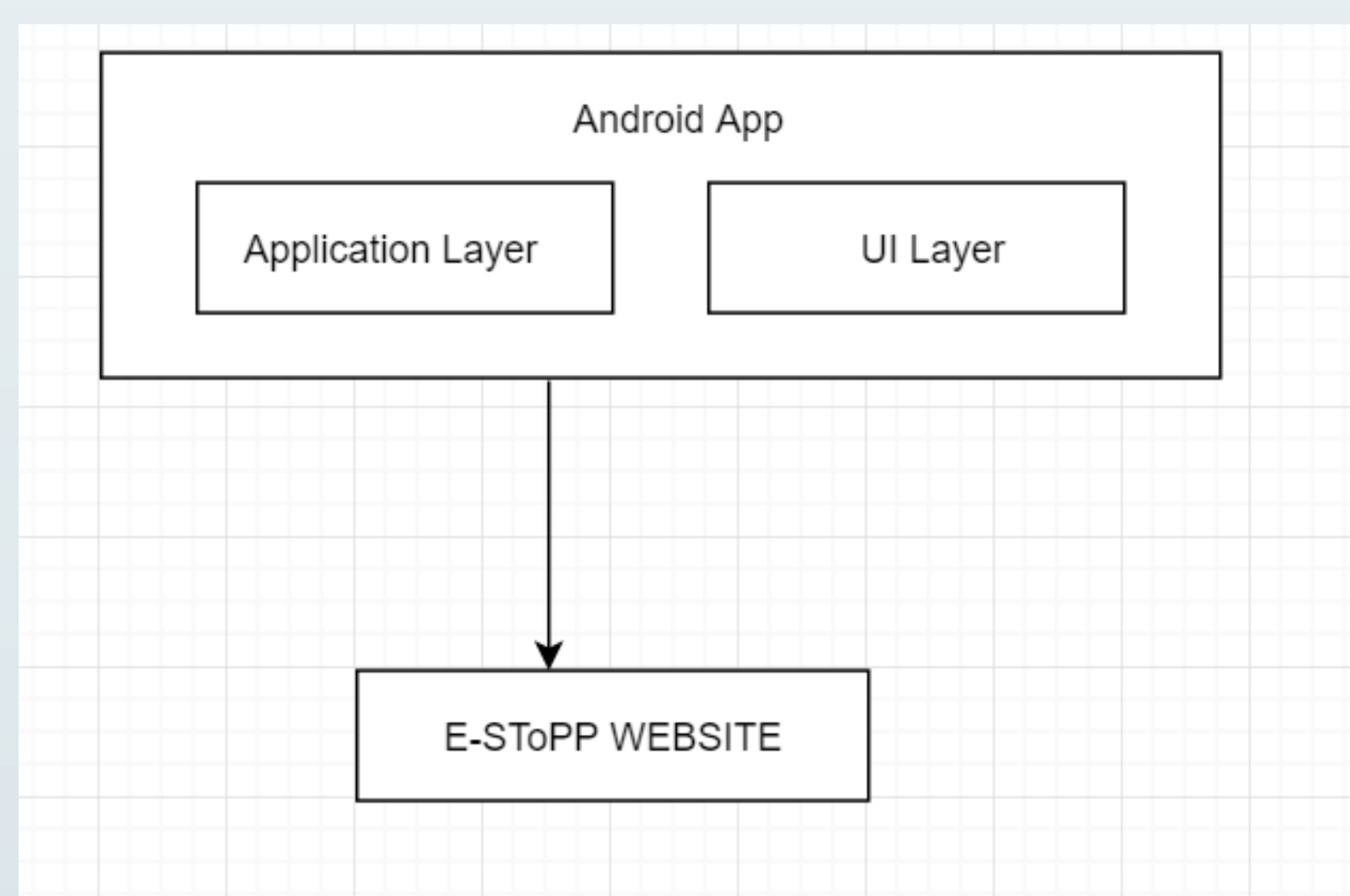Website changes live at : *http://e-stopp.org/*

My Core Contributions :

--Build android app on android studio
--Add email functionality to contact us webpage in Word press for website/app
--Convert the 'Positive Peer Leadership and Transformative Education Research offline form submission to online submission process
-- Create new banner with animations and graphics for the website/app.
--Add new social media platform-Instagram access from website/app
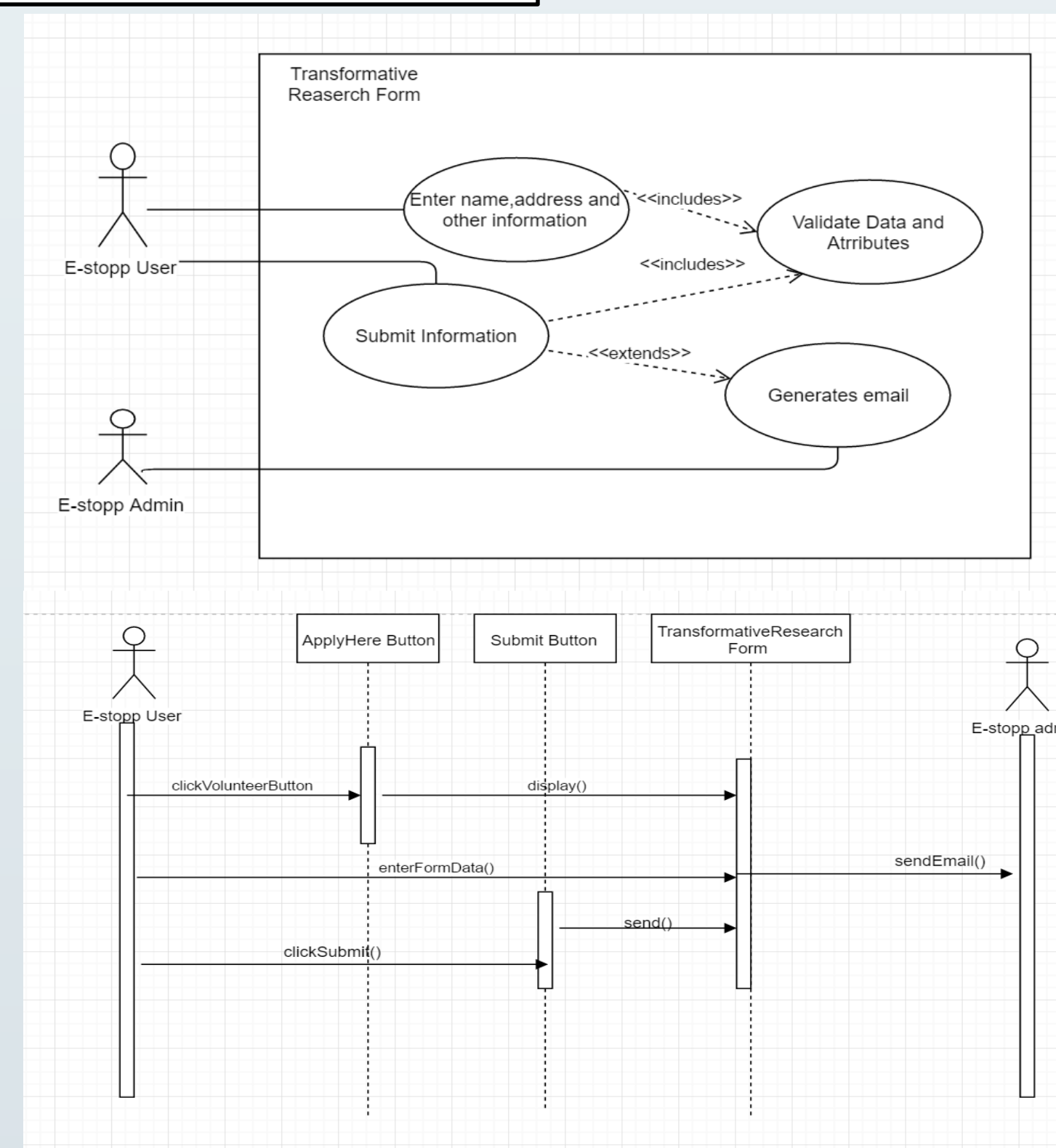
Requirements

Provided functionality to users
-- Build a new app on android platform.
-- Convert the old offline form submission process to an online one.
-- Create sign-up forms for users to subscribe to.
-- Create new banner with animations and graphics for the website/app.
-- Add search functionality to website
-- Expand horizons by linking the website to new social media platform e.g.. Instagram.
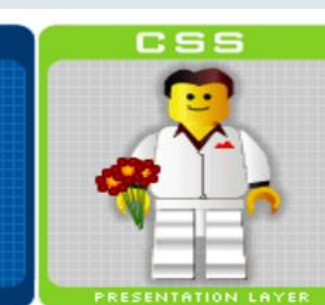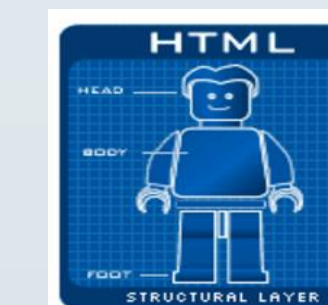
System Design

Object Design

Implementation

App Built in Android Studio using Java

Website enhancements done in Word press using HTML and CSS

Banner images created in Adobe Photoshop

Verification

Test case 1 (Sunny Day) :
Purpose: When user enters the website and goes to Contacts page, after entering name, email and subject and message, it should send it to E-SToPP email address
Precondition:
The user should be in the Mobile App or in the Website
Input:
The user should input name, email and message correctly
Expected Result
The mail was successfully sent - Working OK

Test case 1 (Rainy Day) :
Purpose: Only email, no subject and message are given. Name is not given
Precondition:
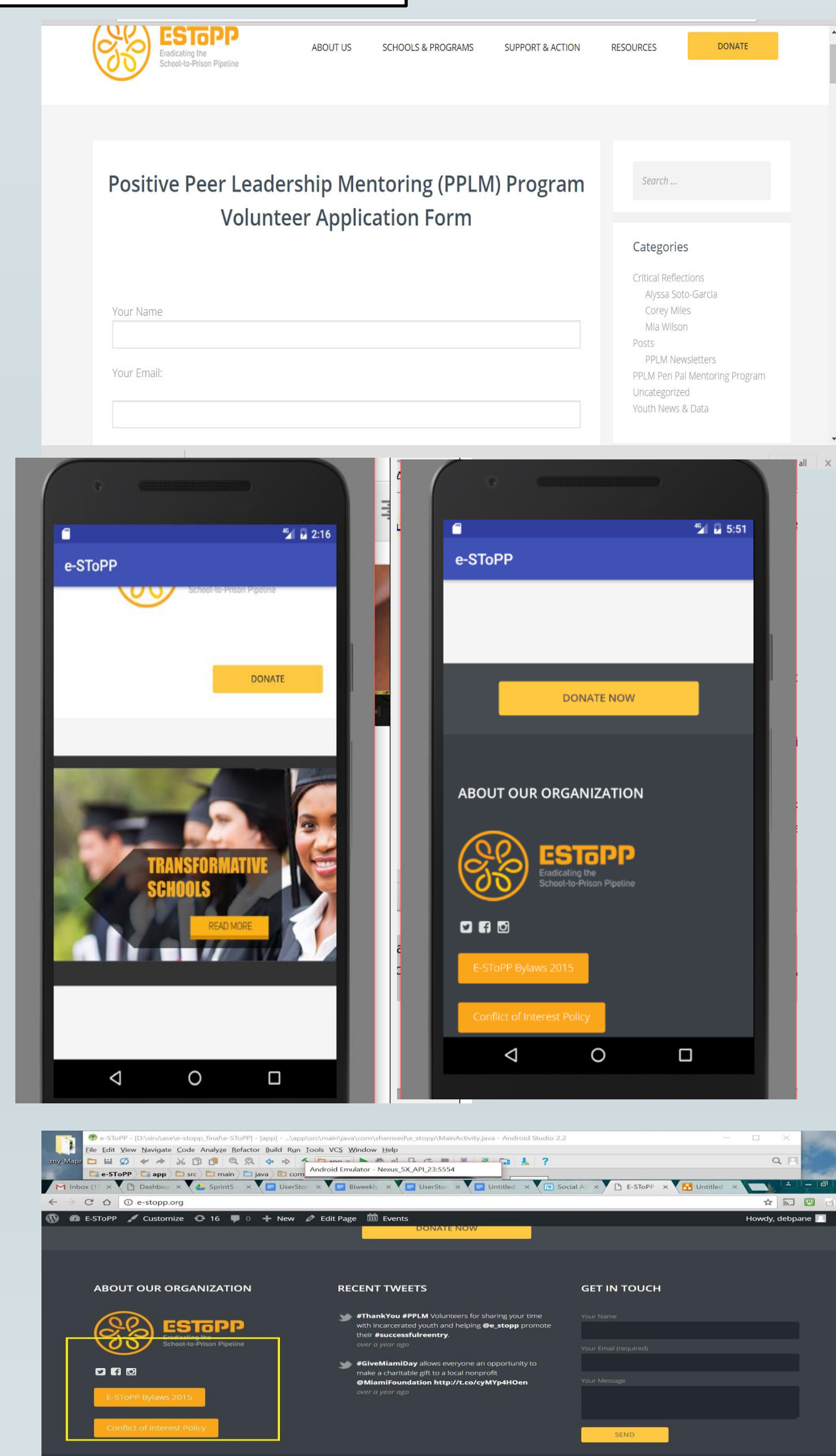The user should be in the Mobile App or in the Website
Input:
Click or touch on send button to attempt sending the email.
Expected Result
Message pops up - Validation errors occurred. Please confirm the required fields and submit it again.- WORKING OK

Screenshots

Summary

This Project is the first implementation (Version 1.0).
-- E-SToPP organization has tried to expand its horizon and reach out to more people using the Android App.
-- App offers the user the convenience of accessing the website and all the information regarding their volunteer opportunities using their mobile phone itself.
--Signup for the opportunity of their interest using the various online forms which are now available.
-- As part of future work, an IOS app can be developed too.

Acknowledgement