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| Correo Digi | February 10  2014 | |
| [Type the abstract of the document here. The abstract is typically a short summary of the contents of the document. Type the abstract of the document here. The abstract is typically a short summary of the contents of the document.] | | EWB-SMU piLab project |

**Intro page needs to include**

* Team name
* team members
* Product name
* Product abstract

## EWB-SMU piLab

<Insert list of members here>

## Correo Digi

### Executive Summary:

The EWB-SMU piLab team is working to set up a raspberry-pi-powered computer lab in an Orphanage in Honduras. Our goal in creating the piLab is to open up communication between the children in Honduras and the people who visit the orphanage and then return to the United States. Through the piLab project, we aim to create an efficient and customizable method of establishing pi-powered computer labs in undeveloped parts of the world.

To address the communication problem in the orphanage in Honduras, the piLab team will develop a custom, web-based application that the children in Honduras can use to communicate with their friends in the United States. The application will simulate traditional, letter-writing correspondence. To ensure that all parties can understand the application, we will design simple user interfaces in both English and Spanish.

Once development of <insert product name here> is completed, the EWB-SMU piLab team will travel to Honduras and set up the piLab. During this time, we will teach the children how to use the application and gather information about how to improve <product name> and what other software applications might be of interest to the children in the orphanage. We currently have plans to create gardening software as well as expanding <product name> to include mentorship components.

**Product Specifications page needs to include:**

* Software functionality
* Use case diagram (high level—summarizes software functionality)
* Activity diagrams for each “functionality” (specify paths for different user roles)
  + register (mentor, mentee): <http://yuml.me/cdfa6ad5>
    - (start)->(Request Account)-><a>, <a>[mentor]->(Input Info and Auth Code)->(Verify Email)->(Register), <a>[mentee]->(Input Basic Info)->(Register)->(end)
  + forgot password (mentor, mentee, admin): <http://yuml.me/8479e919>
    - (start)->(Request Password Reset)-><a>,<a>[mentor]->(Send Password Reset Email)->(Reset Password)->(end), <a>[mentee]->(Notify Admin)->(Admin Resets Password)->(Mentee Logs-in with New Pass) ->(end), <a>[admin]->(Verify Security Questions)->(Reset Password)->(end)

The following start with login:

* + send letter
  + add contact
  + view letters
  + read letter
  + flag letter

The following is for Admin role:

* + review flagged letters
  + grant admin status
  + suspend users
  + reset passwords
  + etc.

### Software functionality:

**Visitors can**

1. Register as mentor (requires code)
2. Register as mentee
3. Read about <product name>

**Mentors and Mentees can**

1. Login
2. Request Password Reset
3. Send a Letter
4. Read a Letter
5. View all letters
6. Delete a Letter
7. Save a Draft
8. Delete Account
9. Search Users
10. Add a Contact

**Administrators** are Mentors that can

1. Suspend a User
2. Grant Admin Status

**UI Structure page needs to include:**

* Object Action matrix
* Design choices (colors, fonts, logos)
* Wire frames that outline core pages (login, register, home page, add contact, send letter, etc.)

**Database Design page needs to include:**

* Conceptual Database model
* Schema for each page (table format)

