



# 5 Pixels

FlagFriends

# Introduction

## Team Members

- Brandon Garling
- Xiangzhi “Johnny” Cao
- Matthew Nielsen
- Mohammad Alsobhi
- Clarissa Calderon

## Faculty Mentor

Dr. Mohamed Elwakil



# Project Sponsor

- Joy Knudsen
  - Director, FlagFriends program
- FlagFriends
  - Program designed to match international students to individuals in the local community to ease their transition



**International  
Student & Community  
Friendship Program**



Joy Knudsen

# What's the problem?

- Slow and tedious manual matching process
- Difficult to read handwriting on paper applications
- Difficult to track hosts and students effectively
- More time spent on management than recruiting new applicants



# Our solution

- Simple easy to use general purpose web application
- Allow potential students and hosts to sign up
- Allow students and hosts to match themselves
- Provide a safe secure environment for users



# Plan for development

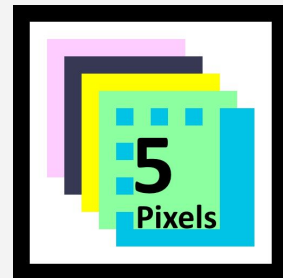
- Requirements
  - Weekly meeting with sponsor
  - Iterative draft approach



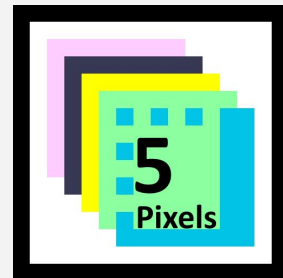
# Plan for development (cont)

- Technical Investigation

- Possibility of adapting pre-existing software to do the job
- Web 2.0 Frontend
  - React, AngularJS, Bootstrap?
- Backend
  - PHP, NodeJS?
- Database
  - PostgreSQL, MySQL?
- Weekly technical evaluations



# Plan for development (cont)



- Other issues
  - Possible legal issues
    - Ensure that FlagFriends claims no responsibility for misuse of the site
  - Alternative applications
    - Evaluating and assessing competing features



# Our Progress

- Meetings established
- Surveys created



How important is it to have a preference on each of the items below. \*

	Not very important	Slightly important	Important	Very important
Are they married?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Do they have a car?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
College Status (student, non student, undergrad, ect)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Age	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Gender	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use of Alcohol	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
House Rules and Regulations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Smoker/non-smoker	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Allergies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Distance to University	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
If host is already sponsoring a student	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A 1-10 score of the host by other students	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Family Status (married, single, kids)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Host's Hobbies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

What are some additional preferences you feel are important when picking a host.

Your answer

How important is it to have a preference on the following items when choosing a student? \*

	Not Important	Somewhat important	Important	Very important
Age	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Gender	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
College Status(undergrad, grad, ect)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Do they own a car?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Smoker/non-smoker	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Alcohol use	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Student's Hobbies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
1-10 score given by previous Hosts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Country of Origin	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Additional preferences you feel are important when picking a student.

Your answer

Any overall feedback for FlagFriends?

Your answer

Name (optional)

Your answer

# Conclusion

- Team 5 Pixels
- Non-profit beneficiaries
- Web service for matching international students and hosts
- General purpose redistributable web group matching application

