CS 51: CS + Social Good Studio ’16-’17
Implementing Social Impact Projects
Course Overview

Class Info:
When: Tuesdays and Thursdays from 7:30 - 8:50pm
Where: sapp - 114

Contact Info:
Instructor email: csg-studio-team-1617@lists.stanford.edu
Studio list email: csg-studio-1617@lists.stanford.edu

Class Objectives:

Implementation
We spent most of last quarter in the human centered design phase, and though you’ll still be testing your solutions with you users this quarter, the main focus will be on the technical implementation of your projects. We have some awesome frontend, backend, and usability workshops with industry experts scheduled throughout the quarter in order to facilitate the implementation process.

Reflection
Based on your feedback, we realized that last quarter we focused heavily on outcomes, and not enough on the purpose of your projects. As such, we’re incorporating a reflection aspect to this quarter. Two times this quarter we’ll be asking you to reflect on and develop a personal POV about what your definition of social good is, as well as a personal POVs on your role in social impact and role technology plays on social impact.

Relationships
We hope you continue to utilize the expertise of your technical and design mentors throughout the quarter as well as deepen your relationships with your mentors, partners, and peers. We’ve scheduled some great industry speakers that we hope you will connect with. We’ll also be hosting more community events, so that we can all get to know each other better!

Independence
We understand that projects move at different paces and that each team has different needs, as such we believe it will be both more useful and more effective for you to define your own goals as well as plans for how to achieve from this quarter. There will be no deliverables this quarter, however, we’ve defined a few milestones that we hope you and your team will reach throughout the quarter.

Milestones:

<table>
<thead>
<tr>
<th>Week</th>
<th>Milestone</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Functional Frontend</td>
<td>(~week 2)</td>
</tr>
<tr>
<td>2</td>
<td>Impact Measurement Plan</td>
<td>(~week 4)</td>
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<tr>
<td>3</td>
<td>v1.0 Functional Frontend &amp; Backend + Mid-quarter Demo</td>
<td>(~week 5)</td>
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<tr>
<td>4</td>
<td>v1.5 User Feedback Iteration</td>
<td>(~week 7)</td>
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<tr>
<td>5</td>
<td>Post-Studios Sustainability Plan</td>
<td>(~week 8)</td>
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<tr>
<td>6</td>
<td>v2.0 Deployed Product + Showcase</td>
<td>(~week 9)</td>
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Weekly Outline

1. Speaker - Measuring Impact (Alan Abola - CTO of Mango Health)  
   - Frontend Workshop in Swift  
   - Theory of Change Exercise  
   - Frontend Workshop in Swift (with industry experts)  
   - CSG Workshop in XCode (Mike Chang)  
   - 4/4  
   - 4/4  
   - 4/6  
   - 4/7

2. Goal Progress Updates  
   - Backend Workshop  
   - 4/11  
   - 4/12

3. Speaker - Product Iteration (Kiah Williams, Sirum Co-founder)  
   - Milestone 1 - Functional Frontend  
   - Mini-demo Day  
   - 4/18  
   - 4/20

4. Speaker - Topic TBD (Nomad Health, CEO & co-founder Copia)  
   - Milestone 2 - Impact Measurement  
   - QGIS progress update  
   - Milestone 2 - Challenges assessment  
   - Metric showcase  
   - 4/25  
   - 4/27  
   - 4/30

5. Reflection session I  
   - Independent Work  
   - Milestone 3 - v1.0 Functional Frontend & Backend  
   - Mid-quarter demo  
   - 4/30  
   - 5/2  
   - 5/4

6. Reflection session II  
   - Independent Work  
   - Workshop - Usability testing  
   - Milestone 3 - Challenges assessment  
   - Metric showcase  
   - 5/9  
   - 5/11  
   - 5/18

7. Independent Work  
   - Project OH  
   - Milestone 3 - v1.5 User Feedback Iteration  
   - 5/16  
   - 5/23  
   - 5/25

8. Milestone 4 - v1.5 User Feedback Iteration  
   - Milestone 4 - Post-Studios Sustainability Plan  
   - Internal Demo Day  
   - 5/23  
   - 5/30  
   - 5/35

9. Independent Work / Project OH  
   - Milestone 6 - v2.0 Deployed Implementation  
   - Showcase dress rehearsal  
   - 5/30  
   - 6/1

10. Reflection Session III  
    - 6/6  
    - 6/9

11. Studio Spring Showcase!