Mobile Applications Development

Higher Diploma in Science in Computer Science

Produced by

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Assignment Update

Dates

- Final Due Date - Tuesday, 7th January
- Demo - Wednesday 8th January
- Demo Schedule to be published on Moodle
- Approx 20 minutes

Application Domain

- Your Choice!
- Perhaps Summer School App :
    - Donation

    or

    - Summer School App you chose

    or

    - New Application Domain

Assignment Rubric for Donation Service/App

Standard	Web App [25%]	Service API [25%]	Android Service usage [20%]	Android Features [30%]
Baseline	Story 1-7 (Bootstrap 2)	No API	none	Donation App V3 (welcome, signup, login, donate, report) + **Local Database (See Exercises in lab08 for starter code)**
Good	Story 8-10 (Bootstrap 2)	Standard API	AsyncTasks	Donation App V6 + Multiple Candidate Support
Excellent	Story 11 (Bootstrap 3)	+ Admin API	+ Services	+ Admin User Support
Outstanding	Story 12-13 (Bootstrap 3)	+ Secure API	+ Secure	Secure

Donation Screenshots

Donation Request

localhost:9000

Home Sign Up Log In Make Donation Report Log Out

Welcome

Homer for president.

Time for a change

Out with Boring Abamo.

Giving has never been so easy.

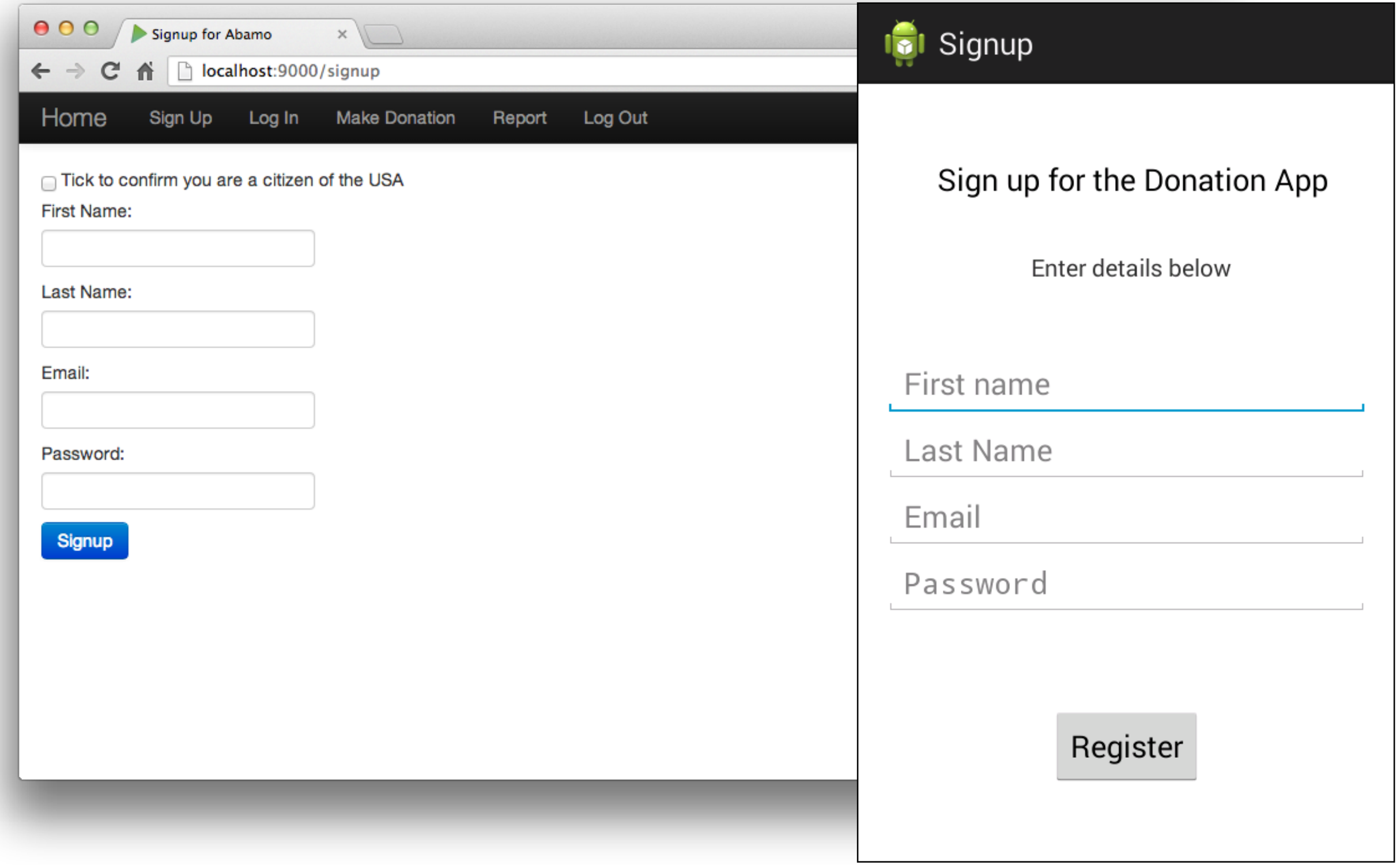
Just click here to log in.

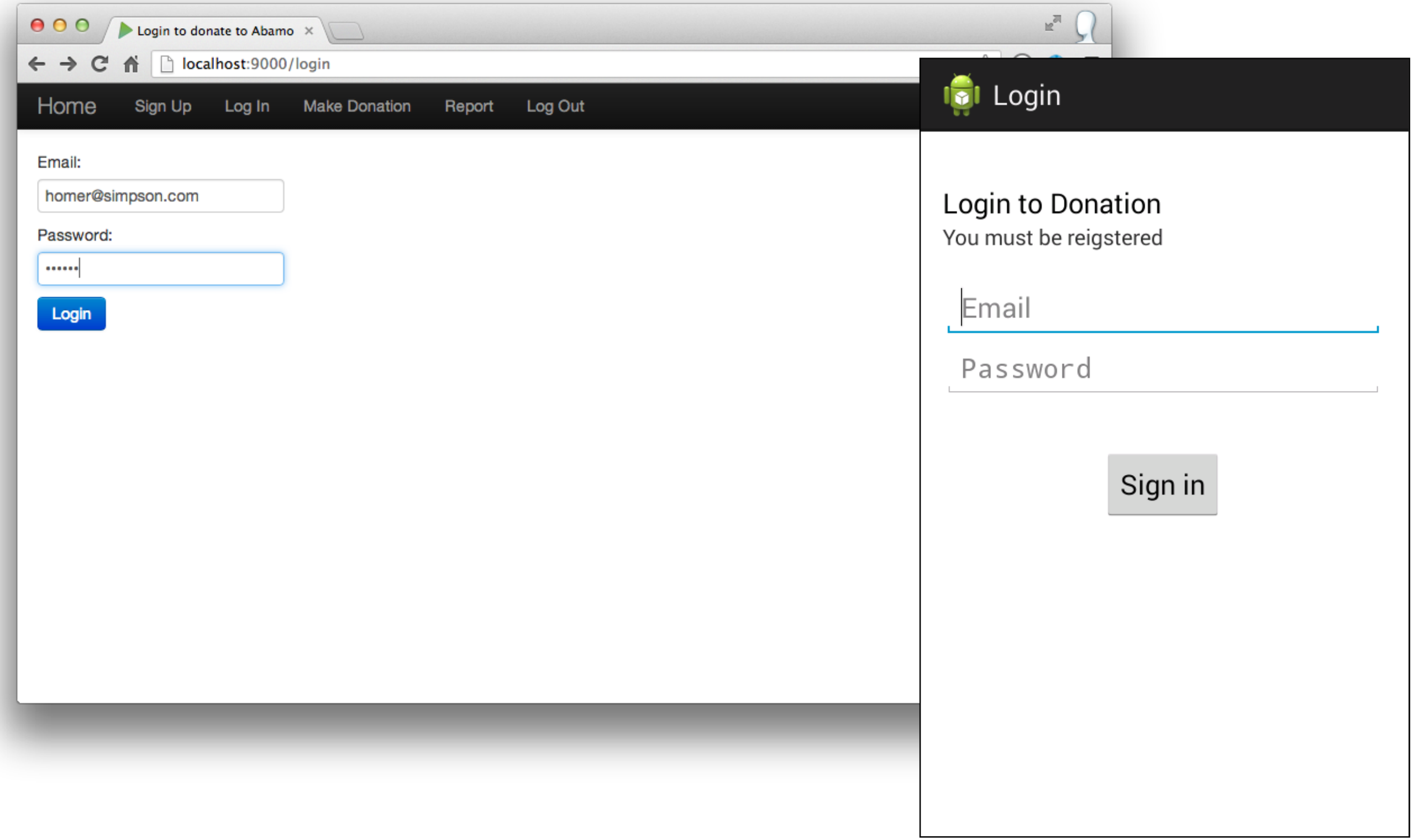
Then go to the Donation page and empty your wallet

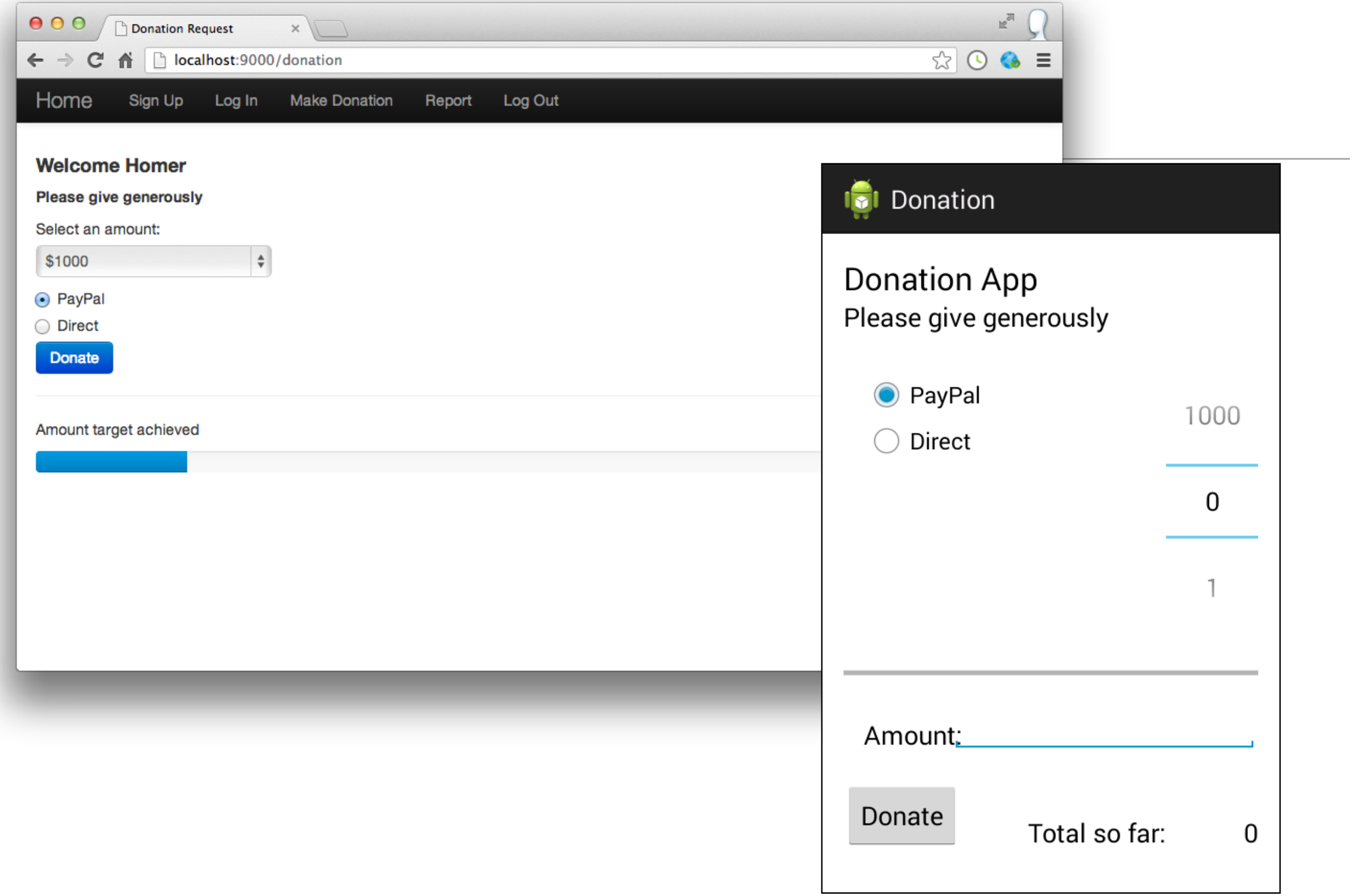
Donation App

Login

Sign up


Signup for Abamo
localhost:9000/signup
Home
Sign Up
Log In
Make Donation
Report
Log Out
Tick to confirm you are a citizen of the USA
First Name:
Last Name:
Email:
Password:
Signup
Signup
Sign up for the Donation App
Enter details below
First name
Last Name
Email
Password
Register


Login to donate to Abamo
localhost:9000/login
Home
Sign Up
Log In
Make Donation
Report
Log Out
Email:
homer@simpson.com
Password:
Login
Login
Login to Donation
You must be reigstered
Email
Password
Sign in


Donation Request
localhost:9000/donation
Home
Sign Up
Log In
Make Donation
Report
Log Out
Welcome Homer
Please give generously
Select an amount:
$1000
PayPal
Direct
Donate
Amount target achieved
Donation
Donation App
Please give generously
PayPal
Direct
1000
0
1
Amount:
Donate
Total so far:
0

Report

localhost:9000/donation/report

Home Sign Up Log In Make Donation Report Log Out

List Donations

Donors	Amount($)	Method
homer@simpson.com	1000	paypal
homer@simpson.com	1000	direct
homer@simpson.com	1000	direct
homer@simpson.com	100	paypal

Donation App

Report

3	PayPal
5	PayPal
10	PayPal
100	PayPal

Donation Stories

Candidate Stories - Baseline

- *Story 1:*
  - Provide for additional user profile information:
    - Age
    - Location (a simple string)
  - User to provide this additional profile information signup.

- *Story 2:*
  - Report to contain extra columns showing full details of donors.

- *Story 3:*
  - New menu tab in navigation bar - to appear only when user has logged in - which will allow user to ‘edit’ his/her details

- *Story 4:*
  - Menu tab to be ‘context sensitive’. i.e. Start screen it should only display ‘Login’ & ‘Signup’. Once logged in, menu should be ‘Make Donation’, ‘Report’, ‘Edit Details’

- *Story 5:*
  - Deployed to cloudbees

Candidate Stories - Good

- *Story 6:*
  - Provide for standard address in user profile information:
    - i.e. address line 1, 2, country, postal code etc...

- *Story 7:*
  - Before report is generated, user can ‘filter’ based on
    - age range (come up with scheme here)
    - country or other interesting criteria
  - Report will then only contain donations that match user entered criteria

- *Story 8:*
  - Introduce ‘Candidate’ into model to which users make donations. Users can only donate to one candidate, which they select when they sign up. Candidate list set up in ‘data.yaml’ file.

- *Story 9:*
  - A full data set is provided in data.yaml - including numerous candidates, users (donors) and donations

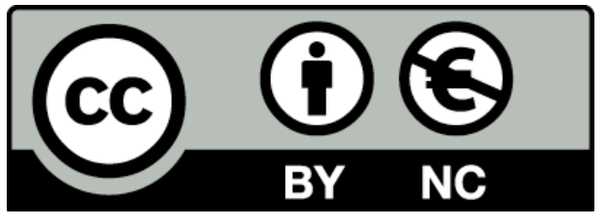
Candidate Stories - Excellent

- *Story 10:*
  - Users can donate to multiple candidates, selecting the candidate on the ‘make donation’ page

- *Story 11:*
  - A special admin user account is provided - username:‘admin’, password:‘secret’. This user can see a report listing all users on the system and all candidates. This user cannot make donations.

- *Story 12:*
  - The admin user from story 11 can create new candidates. Additionally, introduce an ‘office’ for which a candidate may run. The admin user must specify the candidate details (name etc)+ office they are running for.

- *Story 13:*
  - Deployed to heroku



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