

Mobile Applications Development

Higher Diploma in Science in Computer Science

Produced
by

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Assessment

Mobile Applications Development CA

- 100% CA - 2 Apps, Web (play) and Android
- **Baseline:**
 - *Web App*: A Standalone Web Application
 - *Android App*: A Standalone Android Application
- **Good:**
 - *Web App* exposes a read-only Web Service API
 - *Android App* consumer of the API
- **Excellent:**
 - *Web App* exposes read/write Web Service API
 - *Android App* consumer/producer of the API
- **Outstanding:**
 - Security Features implemented in API + App

Application Domain

- Your Choice!
- Perhaps Summer School App :

- Donation

or

- Summer School App you chose

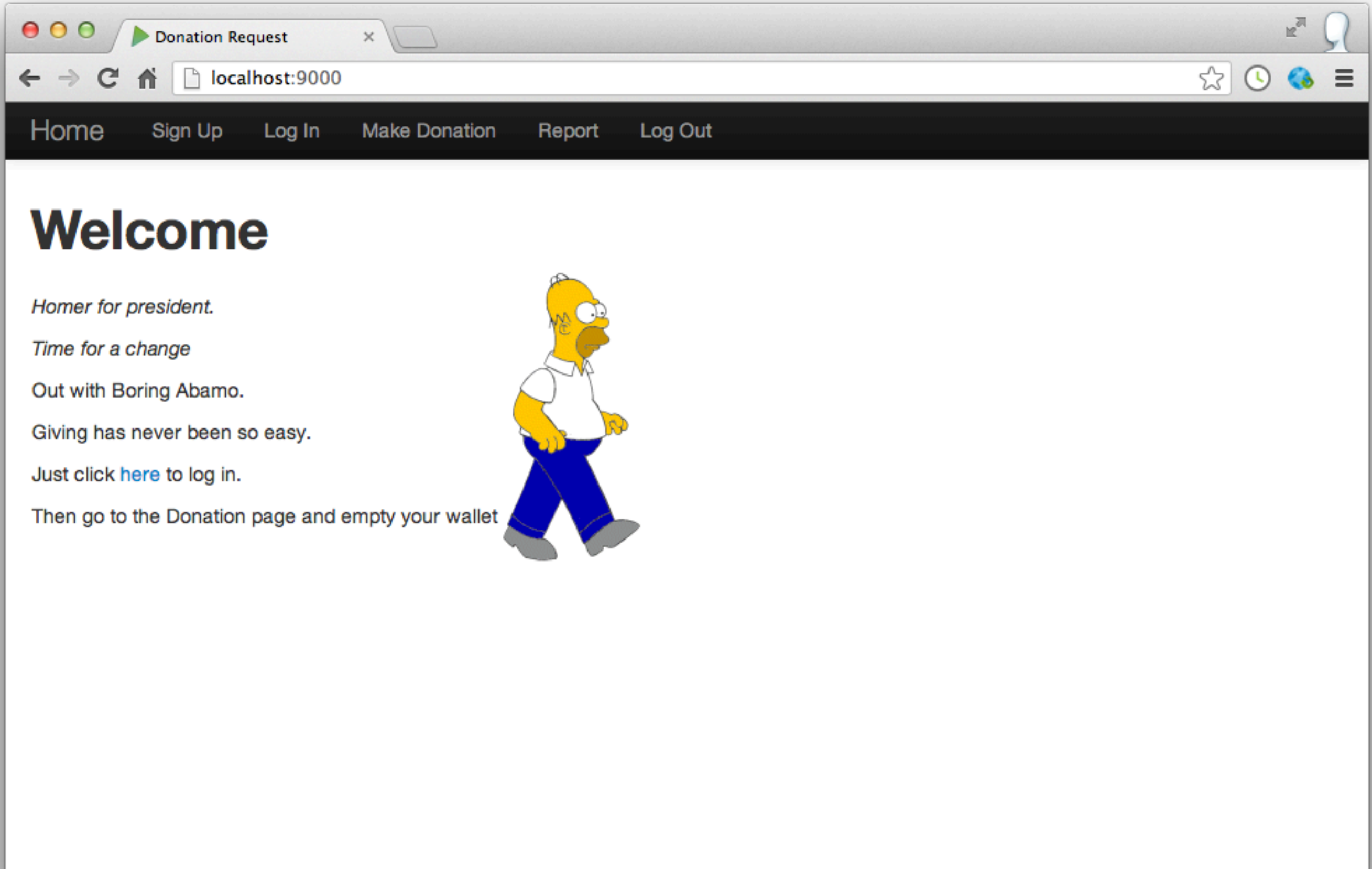
or

- 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	No API	none	Witpress 2.0 (see screenshots) implemented as standalone android app
Good	Story 8-10	Read Only API	Read only	Users signs up with Web App. Candidate Name + current donation amount + report retrieved from API
Excellent	Story 11	Read Write API	Read / Write	All features (apart from admin user) accessible from Android App
Outstanding	Story 12-13	Secure API	Secure	Secure

Witpress 2.0



Signup for Abamo

localhost:9000/signup

HomeSign UpLog InMake DonationReportLog Out

☐ Tick to confirm you are a citizen of the USA

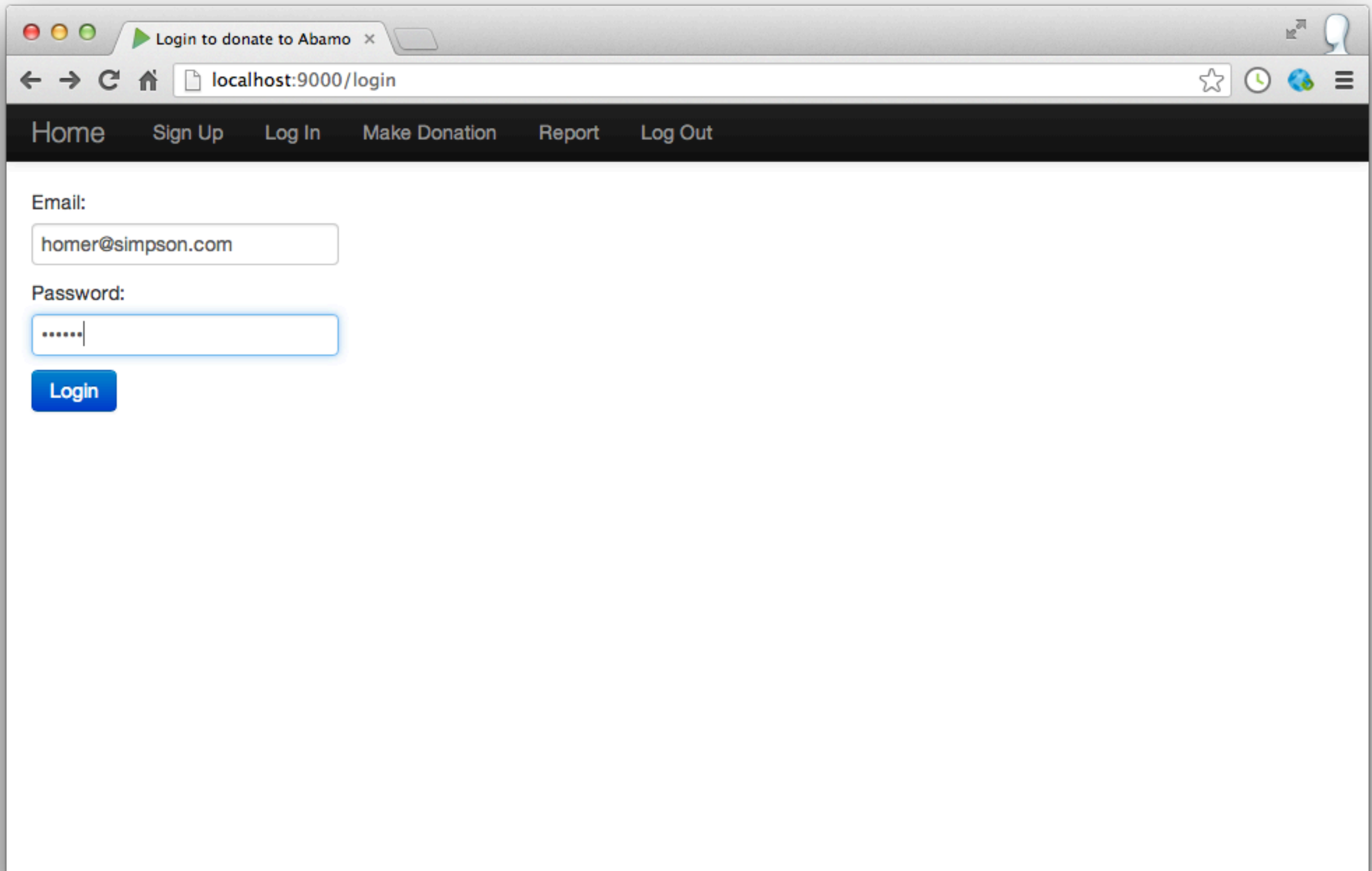
First Name:

Last Name:

Email:

Password:

Signup



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

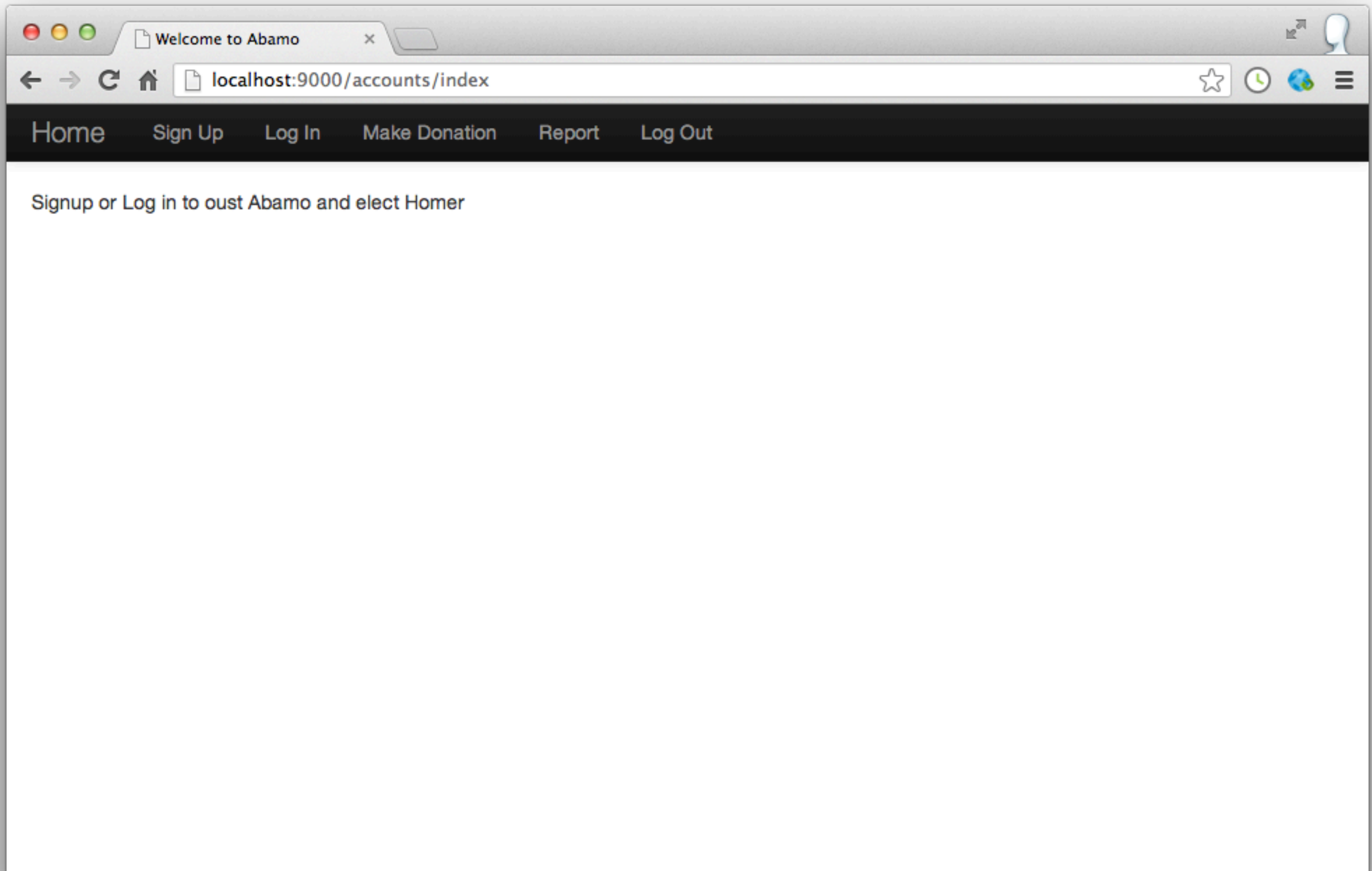
Report

localhost:9000/donation/report

HomeSign UpLog InMake DonationReportLog Out

List Donations

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



Witpress 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:*

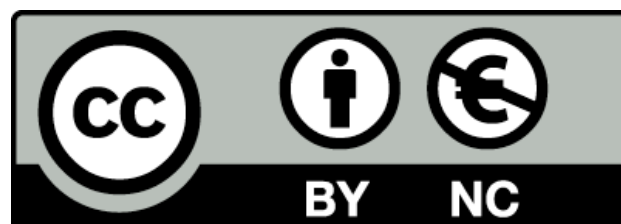
- A special admin user account is provided - username:'admin', password:'secret'. This user can see a report listing all users on the system and all candidates. This user cannot make donations.

- *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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