



**Tecnológico  
de Monterrey**

**Campus Ciudad de México  
Escuela de Ingeniería, Diseño y Arquitectura  
Departamento de Computación**

**Course TC1015**

**(Interactive design fundamentals)**

**Professor: Luis José González Gómez**

**Final test**

**Date: May 7th, 2018**

**Name: \_\_\_\_\_**

**Student id number: \_\_\_\_\_**

**Grade: \_\_\_\_\_**

*"By adhering to the Students Code of Ethics of the Tecnológico de Monterrey, I promise that my performance in this exam will be governed by academic honesty. Consistent with the commitment made by signing this code, I will conduct this examination in an honest and personal way, to reflect, through it, my knowledge and subsequently accept the obtained evaluation."*

### Instructions:

Create a webapp that allows the user to register a vote for one of the presidential candidates.

You can see a finished working example in the following video: <https://youtu.be/6L874R9OS1Y> (no audio).

### Functionality description:

Voters should be able to login using their INE number (any number(s) or character(s) is good). There should be some basic validation showing an error if the voter didn't type anything.

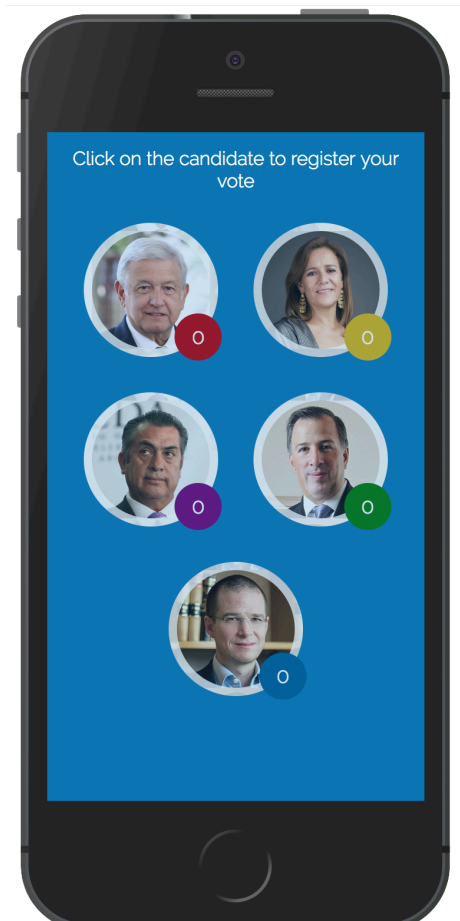
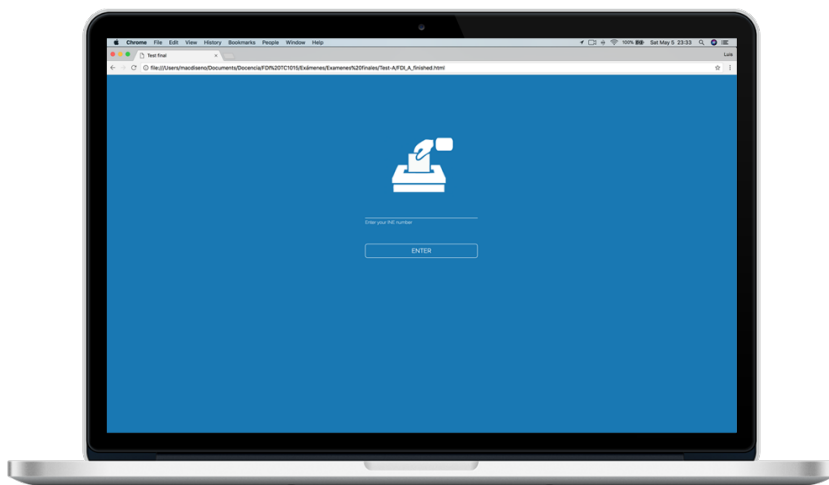
Once logged in, voters can click on any candidate to register their vote.

Voters can only vote 1 time.

Voters should be able to log back in to see how the numbers are, but, they should not be able to vote again.

### Responsive:

In resolutions smaller than 768px start adjusting the text and candidates picture sizes as shown in the video.



Functionality	Points
Validate "no empty" login	10 pts
Show the vote for the selected candidate on screen	10 pts
Save the vote for the candidate	20 pts.
Prevent the voter from voting more than once	20 pts.
Responsive	10 pts.