E-Voting

by Mark Kelly | Lei Shi | 23rd March 2018

Reminder - Background
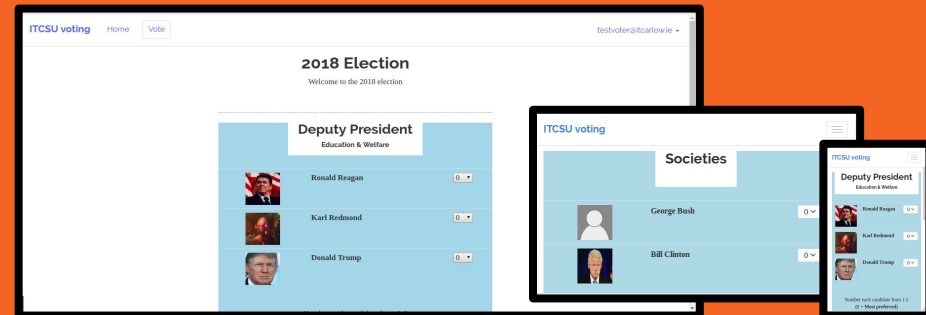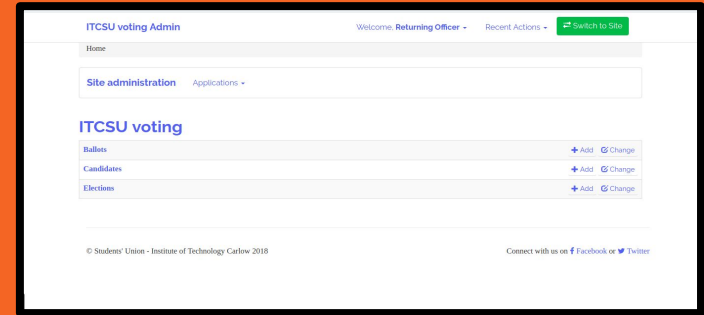
- Students' Union - Institute of Technology Carlow

- Paper ballot system

- Online voting system

- Hybrid voting system

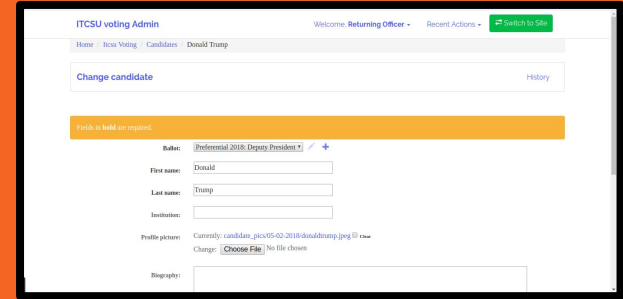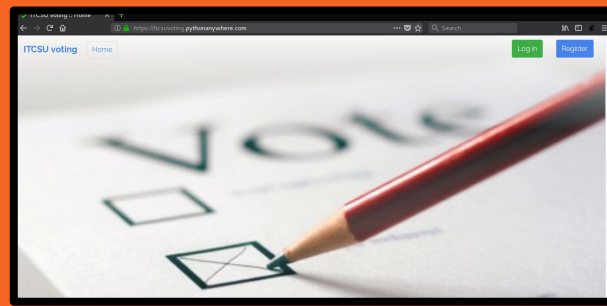# Review - Iteration one

✓ Version control
✓ Django project
✓ Voting app
✓ Database
✓ Email client
✓ Login system
✓ Admin user interface
✓ Create election
✓ Create ballot
✓ Create candidate
✓ Voter user interface
✓ Submit vote
✓ Votes stored in database

Iteration two

✓ Deployed to Pythonanywhere

✓ Added image upload option for candidate's profile picture

✓ Admin can view results of election

✓ Admin can upload student register

✓ Code to check student register

✗ Student registration


```python
import os
import pandas as pd

path=r'/home/mark/Jupyter/xlsxFiles/'
df = pd.read_excel(os.path.join(path,'register.xlsx'), 'Sheet1', index_col=None)


def check_student_register(email):
    for index, row in df.iterrows():
        if row['Email'] == email:
            return True
    return False


student = 'c2@itcarlow.ie'
print (check_student_register(student))
student = 'bob@gmail.com'
print (check_student_register(student))
```

```
True
False
```

Iteration three plan

- Finish student registration

- GDPR

- Testing (The code)

- Testing (With humans)

- Dapp (decentralized application)

- Blockchain technology

"**The people who cast the votes don't decide an election, the people who count the votes do.**"

- **Joseph Stalin**

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Thank you for your time.

Any questions?

References

➜ **Slide 2**
twitter.com. 2018. No page title. [ONLINE] Available at: https://twitter.com/ITCarlowSU/status/859444137850019840. [Accessed 06 February 2018].

➜ **Slide 5**
BrainyQuote. 2018. The people who cast the votes don't decide an election, the people who count the votes do. - Joseph Stalin - BrainyQuote. [ONLINE] Available at: https://www.brainyquote.com/quotes/joseph_stalin_390697. [Accessed 07 February 2018].