

Digital Voting System w/ Dual Factor Authorization

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The Problem

Currently, voters have to go to the polling booth in person which takes time and can decrease the effective representation of the population as people choose not to or are unable to take the time out of their day to wait in long lines. Digital voting could help to solve this growing problem and advancements in cybersecurity could allow for such a system to exist without widespread fraud.





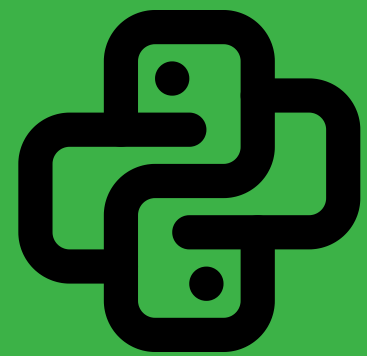
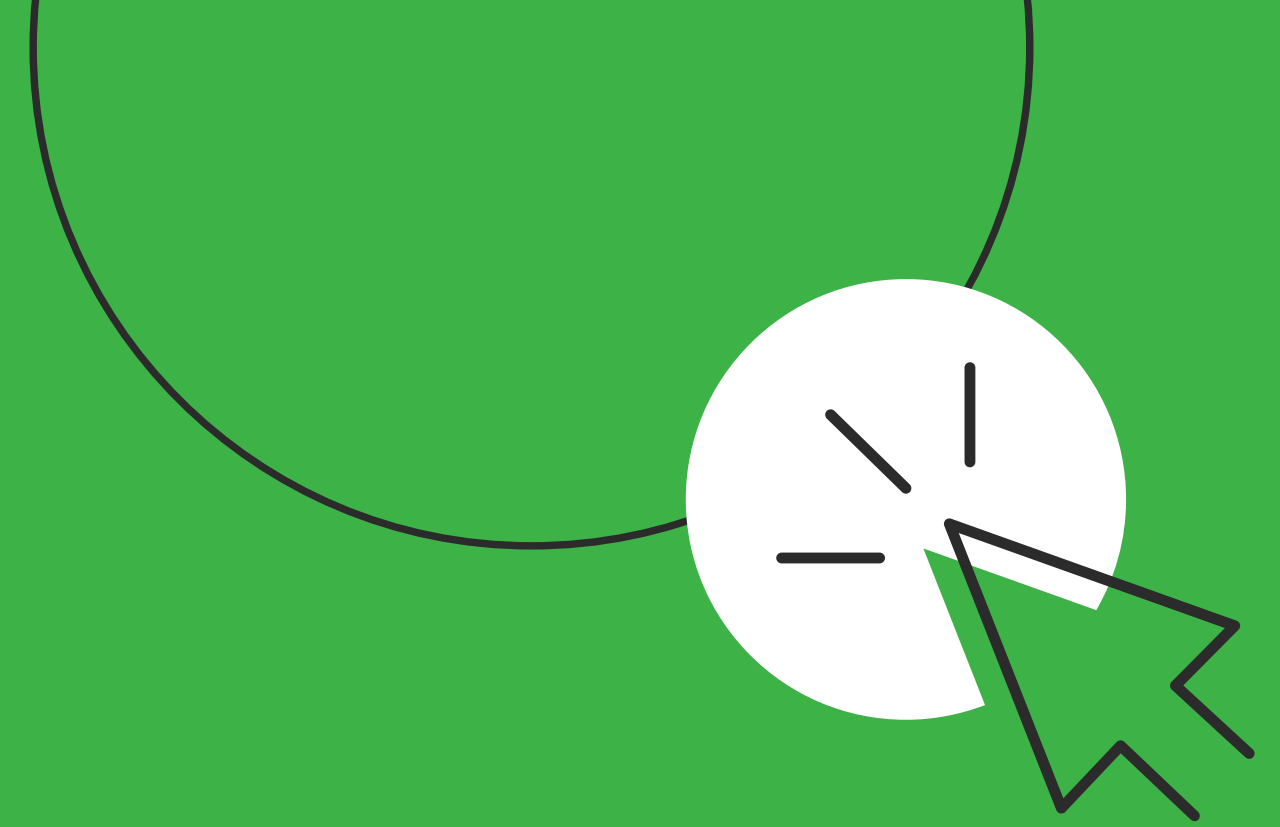
THE SCOPE

1. Deliverable is a digital voting system monitored by an Admin account

2. Utilizes TCP protocol to allow multiple voters to log into the system and cast their votes

3. Each voter will be prompted to scan a QR code with their Google Authenticator app that will give them their one-time password (OTP) unique to each login attempt

TOOLS USED



Python



Tkinter



Google
Authenticator



PyOTP

Future Work

Improve UI/UX

Web Application

Upgrade storage to SQL

