



SMART VOTING

Presentation Four

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Introductions





The Project Team

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What is Smart Voting





What is Smart Voting?

- New voting system
- Accessible from computers, phones, and tablets
- Utilizes multiple databases including a ledger database
- For voting we use a two ledger system that separates ballots and voter history
- User created accounts allow users to vote after identifying themselves

Technology Stack





Front & Back End

Front End

React

Back End

.NET 6 - Web API



Databases & Deployment

Databases

PostgreSQL

Amazon DynamoDB

Amazon Quantum Ledger Database

Deployment

Amazon AppRunner

Cloudflare

Product Demonstration



Technical Difficulties





Problems and Technical Difficulties Faced:

- Coding Language Changes:
 - From : NodeJs & Express
 - To: .NET6
- Voting Process:
 - POST Issues
 - JWT Token issues
- AWS issues

Next Steps





Update 1.0.1

- Voting Package
 - Access:
 - Passwords
 - QR codes
- Voting History
 - Past Election information
- Mobile and Tablet Friendly



Update 1.0.2

- Visual Presentation Changes
 - Voter Checklist
 - Party Information
 - Candidate information
- Admin Pages
 - Party membership
 - Create & manage elections
- Voting Analytics
 - Electoral District Map