Diagram

Description automatically generated

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| **Use Case** | **UC001 Register** | |
| **Actor** | Voter/ organizer / Verifier | |
| **Pre-Condition** | None | |
| **Post-Condition** | User is registered | |
| **Basic Path** | **Actor** | **System** |
| * User opens app. * App asks the user if he wants to restore from Google Drive. * User chooses not to. * User clicks on Registration Link/ Button * User puts in some personal data including a unique identifier such as email. * User chooses if he wants to back up his data on Google Drive * User fills in the Google Credentials and a Master Passcode | System creates keypair for the Users and saves it to the localStorage  System registers the user on the public blockchain (public key and public identifiers only)  System encrypts all the localStorage Data and saves it to the Google Drive |

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| **Use Case** | **UC002 Cast vote** | |
| **Actor** | Voter | |
| **Pre-Condition** | User is registered in the app and User is a registered voter for the voting | |
| **Post-Condition** | User cannot vote for the specific voting anymore | |
| **Basic Path** | **Actor** | **System** |
| * User opens app. * User choses the voting * User choses an option * User confirms the option * User is redirected to the home screen | System registered that the user voted on the blockchain and registers the option chosen without any link. |

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| **Use Case** | **UC003 ACCEPT INVITATION TO A VOTING** | |
| **Actor** | Voter | |
| **Pre-Condition** | User is registered in the app and has received an invitation from the organizer | |
| **Post-Condition** | User is a registered voter for the voting | |
| **Basic Path** | **Actor** | **System** |
| * User clicks on the email link | Browser is opened by the email client  System registered that the user for the voting behind the scenes |

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| **Use Case** | **UC004 VERFIY ONE OF MY OWN VOTES** | |
| **Actor** | Voter | |
| **Pre-Condition** | User has already voted for the voting in question. | |
| **Post-Condition** | None | |
| **Basic Path** | **Actor** | **System** |
| * User opens the app * The user navigates to the voting he wants to verify * User verifies the cote | The system verifies the block in the chain.  The system does some fancy animation to illustrate verification. It turns either green or red depending on the outcome. |

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| **Use Case** | **UC005 CREATE A VOTING** | |
| **Actor** | Organizer | |
| **Pre-Condition** | User is registered | |
| **Post-Condition** | None | |
| **Basic Path** | **Actor** | **System** |
| * User opens the app * User navigates to the organizer’s view * User creates a vote |  |

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| **Use Case** | **UC006 PUBLISH RESULTS** | |
| **Actor** | Organizer | |
| **Pre-Condition** | Voting has ended | |
| **Post-Condition** | None | |
| **Basic Path** | **Actor** | **System** |
| * User opens the app * User navigates to the organizer’s view * User navigates to the voting * User publishes the results | System writes a block with the results. The block is visible to all invited voters at least or even open to the world. |

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| **Use Case** | **UC007 PREPARE A GENERAL MEETING** | |
| **Actor** | Organizer | |
| **Pre-Condition** | User is registered | |
| **Post-Condition** | None | |
| **Basic Path** | **Actor** | **System** |
| * User opens the app * User navigates to the organizer’s view * User creates a new general meeting * User decides if the general meeting is pre-programed or live * User defines the start and end date and time in case of a preprogrammed general meeting * User adds motions (questions with options or candidates) * User adds voters (participants) |  |

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| **Use Case** | **UC008 RUN A LIVE GENERAL MEETING** | |
| **Actor** | Organizer | |
| **Pre-Condition** | User is registered | |
| **Post-Condition** | None | |
| **Basic Path** | **Actor** | **System** |
| * User opens the app * User navigates to the organizer’s view * User navigates to the general meeting * User starts the general meeting |  |

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| **Use Case** | **UC009 IVITE VOTERS** | |
| **Actor** | Organizer | |
| **Pre-Condition** | User is registered | |
| **Post-Condition** | None | |
| **Basic Path** | **Actor** | **System** |
| * User opens the app * User navigates to the organizer’s view * User invites voters to the voting |  |

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| **Use Case** | **UC010 VERIFY VOTING RESULTS** | |
| **Actor** | Verifier | |
| **Pre-Condition** | User is registered, the voting ended, and the results were published | |
| **Post-Condition** | None | |
| **Basic Path** | **Actor** | **System** |
| * User opens the app * User navigates to the verifier’s view * User navigates to the voting to verify * The user verifies the voting |  |

# CICD

Diagram

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