

Data Dictionary
University of Iowa

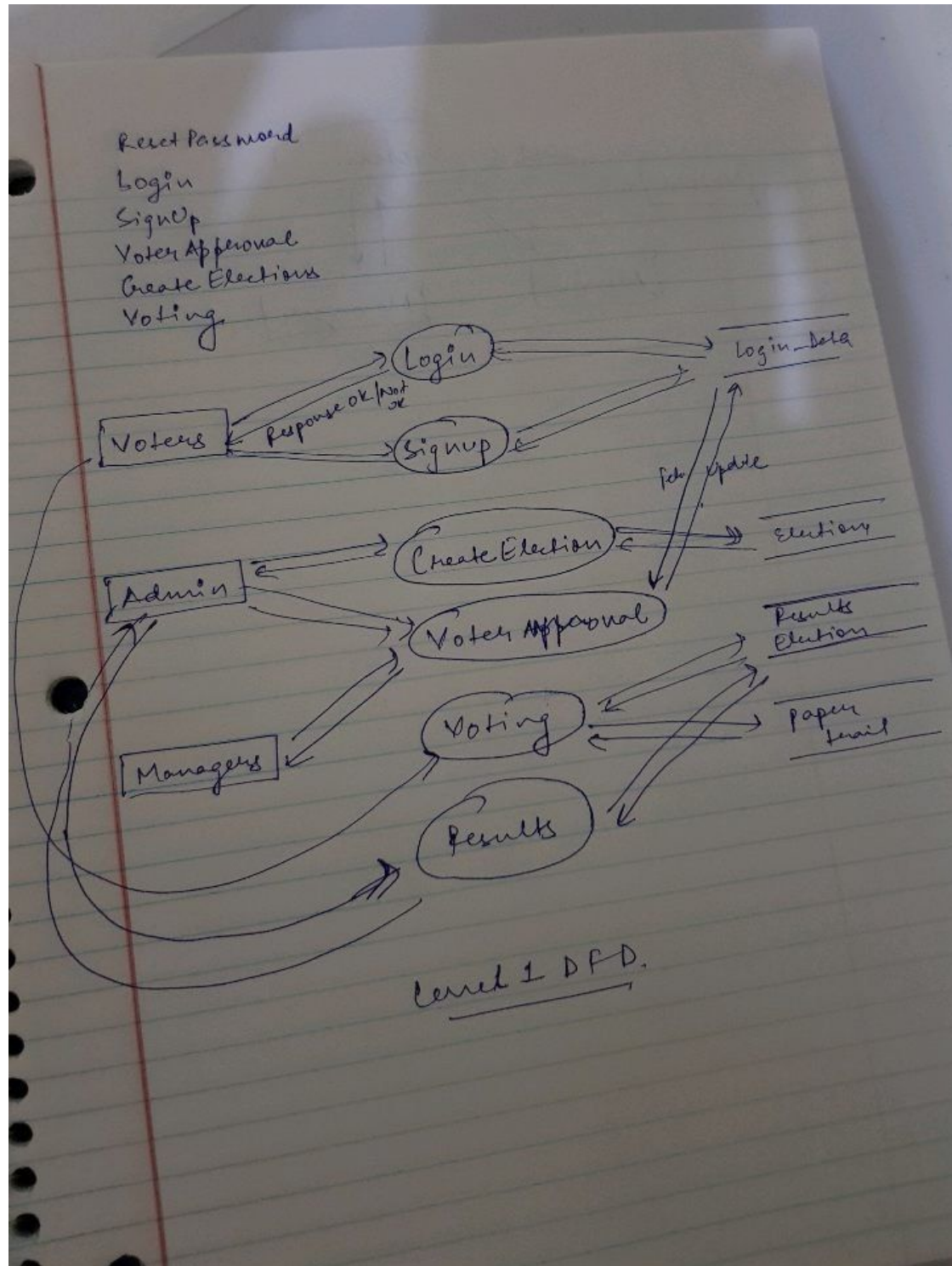


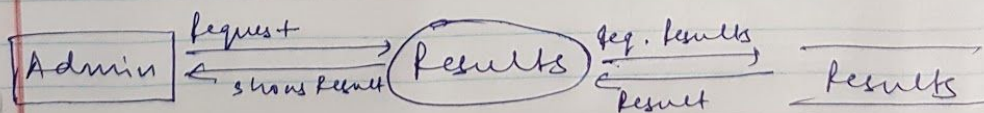
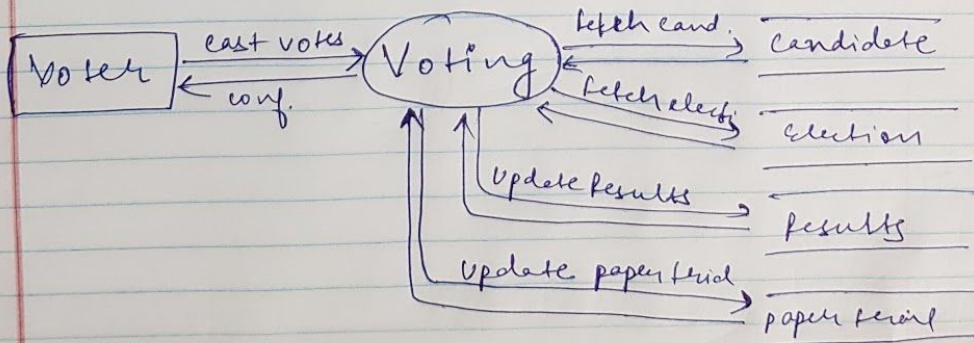
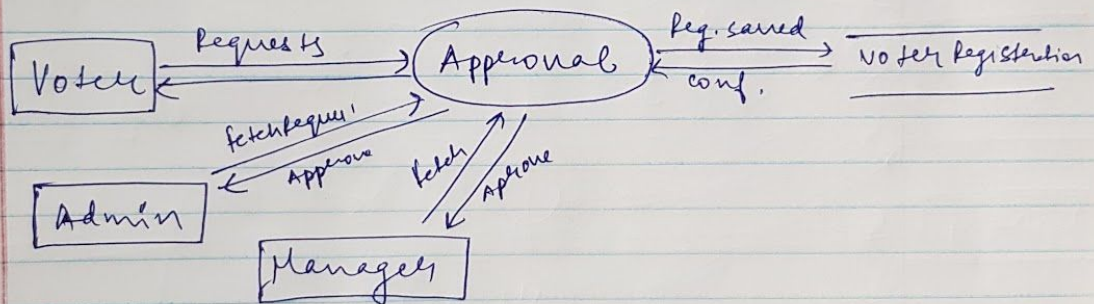
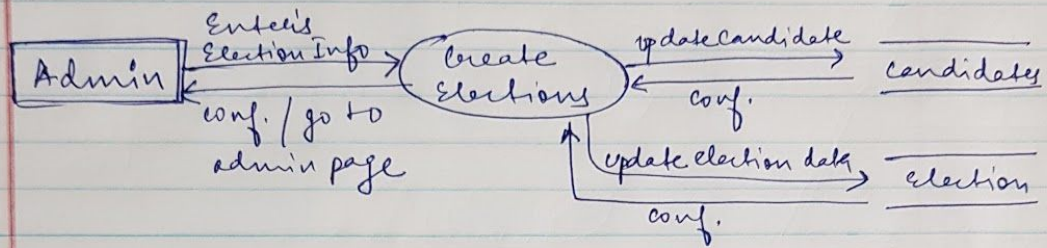
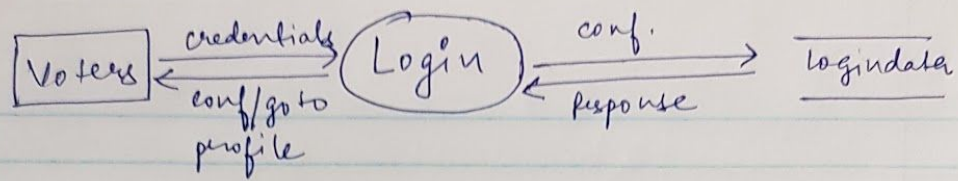
Creation Date: April 19, 2018
Plan Start Date: February 19, 2018
Plan Expiration Date: April 30, 2018

Table of Contents

1 Data Flow	3
2 Data Elements	3
3 Data Stores	3
3.1 Files	3
3.2 Tables	3
4 Data Processing	3
4.1 Logical: User	3
4.2 Physical: Software	3
5 Resources	3

1 Data Flow





2 Data Elements

Primary Name	Use-Case	Data Type	Required?	Accepts Null Value?
Username	Login_data Voter_registration	varchar(255)	Y	N
Password	Login_data	varchar(255)	Y	Y
Firstname	Login_data Candidate	varchar(255)	N	Y
Lastname	Login_data Candidate	varchar(255)	N	Y
Priviledge	Login_data	varchar(255)	N	Y
Reset_Token	Login_data	varchar(255)	N	N
Zip_code	Precinct Voter_Registration	varchar(255)	Y	N
Precinct_ID	Precinct	varchar(255)	Y	Y
State	State_Geography Voter_Registration Election	varchar(255)	N	N
County	State_Geography	varchar(255)	N	N
City	State_Geography Voter_Registration	varchar(255)	N	N
Date_Of_Birth	Voter_Registration			
Approved	Voter_Registration	varchar(255)	N	N
ID_Number	Voter_Registration	varchar(255)	N	N
Election_ID	Ballots Election	varchar(255)	N	N
Election_Type	Election	varchar(255)	N	N
Party	Candidate	varchar(255)	N	N
Precinct	Candidate Ballots	varchar(255)	N	Y
Position	Candidate	varchar(255)	N	N

State_Date	Election	datetime(6)	N	N
End_Date	Election	datetime(6)	N	N

3 Data Stores

3.1 Files

- Controllers
 - AdminControlller
 - ElectionController
 - HomeController
 - MailGenerator
 - PrecinctController
- Models
 - Ballots
 - Candidate
 - Election
 - LoginData
 - Precinct
 - Search
 - StateGeography
 - UserID
 - VoterRegistration
 - VoterVerification
- Views
- MySQL
- Stylesheets
 - Bootstrap
 - Custom
 - Main
 - Webflow

3.2 Tables

- Precinct
 - Zip
 - Precinct_ID
- Voter_Registration
 - Username
 - Address

- City
 - State
 - Zip_Code
 - Date_Of_Birth
 - Social_Security
 - ID_Number
 - Approved
- Login_Data
 - Username
 - Password
 - Conf_Password
 - Firstname
 - Lastname
 - Priviledge
 - Reset_token
- Election
 - Election_ID
 - Election_Type
 - State
 - Start_Date
 - End_Date
- Candidate
 - Firstname
 - Lastname
 - Party
 - Precinct
 - Election_ID
 - Position
- Ballot
 - Precinct
 - Election_ID
- State_Geography
 - State
 - Zip
 - County
 - City

4 Resources

https://www.tutorialspoint.com/software_engineering/software_analysis_design_tools.htm