Assignment 2 (US Election 2024)

Server-Side Programming

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You must only tick the boxes below if that functionality has been implemented in your assignment submission. This list MUST be submitted with an Assignment Cover Sheet.

The chrome browser will be used to view your work

**Navigation [10 marks] [4%]**

Show consistent navigation and footer across all pages [5]

Navigationcode is not duplicated but loaded from on location/file [5]

**Routes [20 marks] [7%]**

/states route works [5]

/candidates route works [5]

/results/{year} route works [5]

JSON responses to routes added to text area component [5]

These routes must be implemented using Express.

**States [25 marks] [9%]**

Shows state data in table ordered by state name [10]

/states route used in fetch request to retrieve data [5]

State data sortable by Name & EV [10]

States page & all pages should be stored in public folder

**Candidates [15 marks] [5%]**

Shows candidate data in table ordered by candidate name [10]

/candidates route used in fetch request to retrieve data [5]

Candidates page & all pages should be stored in public folder

**Election 2024 by State [30 marks] [11%]**

Shows result data in table ordered by state [15]

Vote % shown [5]

(R) or (D) label shown for winner [3]

State name coloured correctly [7]

**Election 2024 by Electoral Votes [50 marks] [18%]**

Shows candidate names & correct EV vote total [12]

Shows correct vote total and % [8]

Shows correct EV total red/blue bar [10]

Shows correct vote red/blue bar [5]

Shows result EV data in table ordered by state [10]

State table row coloured correctly [5]

**Results Map [32 marks] [12%]**

Shows election years in buttons [8]

Shows correct US state map results for 2024 by default [12]

Clicking buttons shows correct map results [12]

**Login [30 marks] [11%]**

Get and validate login credentials [15]

Navigation updates when logged in [10]

Navigation updates when logged out [5]

**Results Admin [38 marks] [14%]**

Shows 2024 state results ordered by state [8]

Update works [30]

**Misc [25 marks] [9%]**

There should be no warnings or errors visible within the console tab [25]

All marks above are subject to a code review of your solution. A code review will include checks for the following:

* readability
* duplication of code
* variable naming
* code performance
* authenticity
* etc.

***A note on plagiarism and cheating.***

If any of the code submitted by you is deemed copied from or by someone else, it will be formally reported to the Head of School of Science and a Disciplinary Committee will be convened to deal with this issue. You do not want that to happen!

Never copy code from someone else or another source. Never give your code to someone else.

Keep your code safely in your own possession. Plagiarism and cheating are very serious academic offenses with serious consequences for your future academic studies and work opportunities. Under current guidelines all students involved in plagiarism or cheating must be reported to the Head of School where a Disciplinary Committee will deal with the issue.