

COMP2084 MIDTERM TECHNICAL EXAM

Your submission must include the GitHub and Azure links to your site. You **do not** have to create a database. I have already set up the database and the connection to it so you can simply use this database. Please do not modify the database in any way. The exam is open book – you may use Blackboard, class notes, files, or any related textbook but **no internet and no communication tools of any kind (email, chat, forums, etc.)**. Submissions are subject to a code review at the instructor's discretion. You may be asked to explain your code during the assessment period after the exam.

You DO NOT NEED to register a new account. Just use this login: midterm@gc.ca / Test123\$

1. Find and correct the compilation errors in the project. Use Visual Studio's tips and error log to help you. **[2 marks]**
2. Properly initialize properties within Party and Election models within their respective default constructors. **[2 marks]**
3. Scaffold an ElectionsController with Views. **[1 mark]**
4. In the layout template file:
 - Add a **"Parties"** link and loads the page that displays a list of Parties **[0.5 mark]**
 - Add a **"Elections"** link and loads a page that displays a list of Elections **[0.5 mark]**
 - Add your full name and student number to the footer text **[1 mark]**
5. Make all Elections and Parties Views **EXCEPT Index and Details** private so any Authenticated User can access them (there is no need for different User Roles). **[3 marks]**
6. On the Parties/Index view change the page title and content heading to **"Canadian Federal Parties"** **[1 mark]**
7. On the Elections/Index view: **[2 marks]**
 - Rearrange the table so **"Party"** is the first column.
 - Change the page title and content heading to **"Canadian Federal Elections"**.
8. On the Elections/Index View: **[2 marks]**
 - Hide the Create, Edit, and Delete links for anonymous users but make these links visible for any authenticated users (i.e. have logged in to the site). So anonymous users can only view the list of elections and click the Details link to see an election's details. They must log in order to Create, Edit, or Delete any election data. **To do this, follow the steps below.**
 - i. In order to check if a user is authenticated in order to display the links, you want to make sure your links are inside **<p></p> tags or <div></div> tags**.
 - ii. Then, you wrap the **<p></p> tags or <div></div> tags** with the links within with the following if statement:

```
@if (User.Identity.IsAuthenticated)
{
    <!-- your links in here within paragraph or div tags -->
}
```
9. On the Phones/Index View do the same as step 8. **[2 marks]**

10. On the Elections/Create and Elections /Edit views: **[1 mark]**

- Change the display name/label for PartyId to say “**Winner**”

11. Prepare your submission:

- Take screenshots of the following:
 - i. Homepage
 - ii. ALL Election Pages
- Push code to PRIVATE GIT REPOSITORY and add me as contributor (**mariekarimizadeh**). **[1 mark]**
- Publish to Azure and provide me the link in your blackboard submission **[1 mark]**
- Delete **packages, bin, and obj** folders, zip up your midterm, and submit on blackboard

Total: /20 marks