



Final Project BDAT 1001

INFORMATION ENCODING
STANDARDS

Important Information

- Group Project (Max 3 students in each group)
- 40% Weightage
- Due : End of WEEK 13 (Apr 8 - 2023) Final Presentations : Week 14 and 15
- Part - 1 (50%)

Create an ASP.NET Core web app with user data protected by authorization.

- Part -2 (50%)
Security Technologies Recommendations (Give answers to security questions)

Part 1 : User data protected by authorization

Complete the code from the following link. Follow all steps.

➤ [Create an ASP.NET Core app with user data protected by authorization | Microsoft Docs](#)

This tutorial shows how to create an ASP.NET Core web app with user data protected by authorization. It displays a list of contacts that authenticated (registered) users have created. There are three security groups:

- **Registered users** can view all the approved data and can edit/delete their own data.
- **Managers** can approve or reject contact data. Only approved contacts are visible to users.
- **Administrators** can approve/reject and edit/delete any data.

Part 2 Security Technologies Recommendations

A company is asking for you to act as a consultant on a project. They have some questions that they hope you can answer:

- How can we transfer personal data securely within their network?
- What security protocol is best for transferring personal files?
- Can we encode and encrypt images?
- Our database cannot be moved from the site and we need to be able to access it externally using a secure API. Can you explain the architecture of a secure API?
- Can you recommend a secure framework for coding an API?
- What data interchange format should we use while transferring data between locations?
- How should we store our data in our many locations?
- What are the ethical concerns related to the transmission of personal data?

Think and Answer to these questions.

Submission

- Complete the code in part 1
- Create PowerPoint presentation.
 - The presentation must include:
 - Title slide
 - Project Summary
 - About you (Group members)
 - Part 1 demonstration
 - Part 2 ,Question and Recommendation Slides, one for each question
 - Your presentation should be max 15 minutes long.
 - Submit GitHub repository or submit files and presentation to BB

Thank you