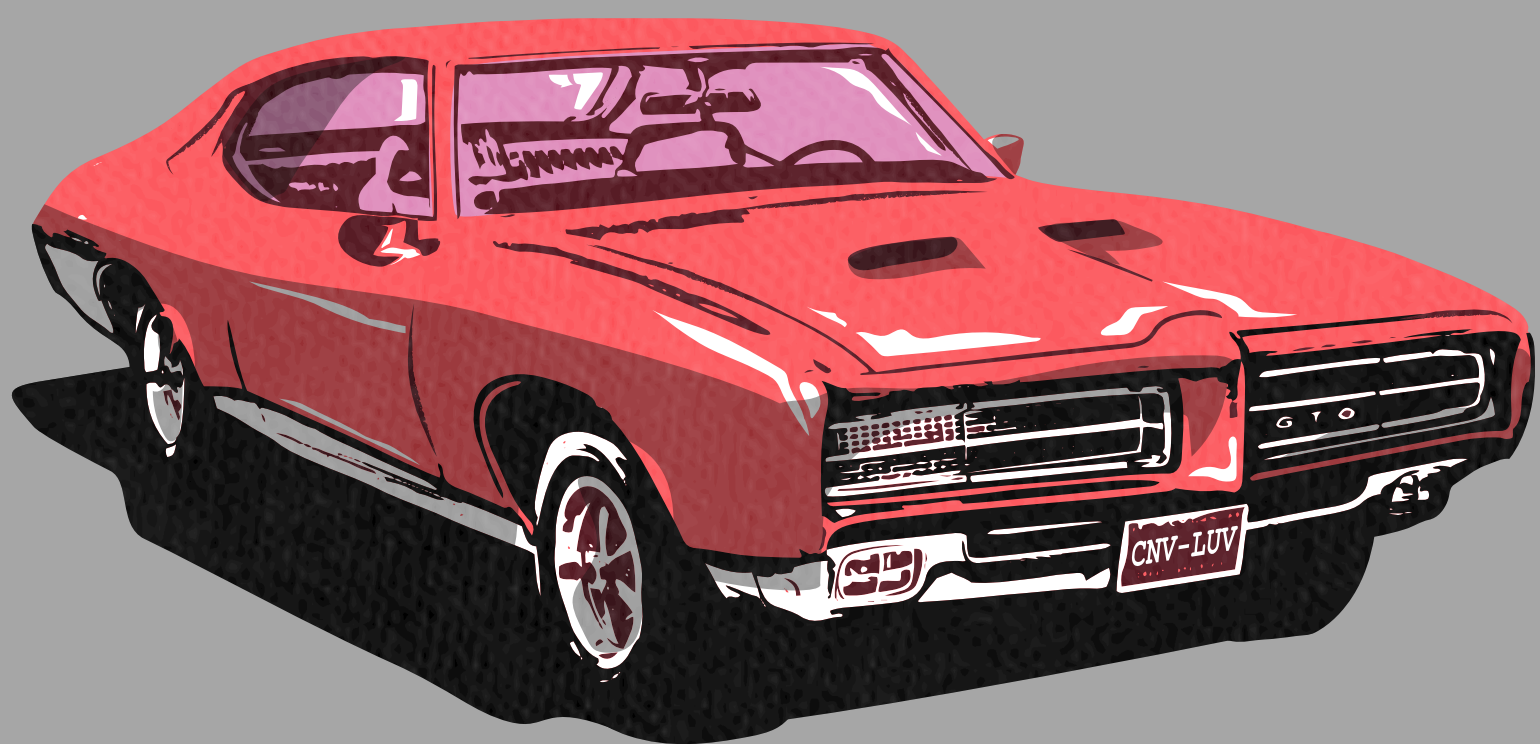
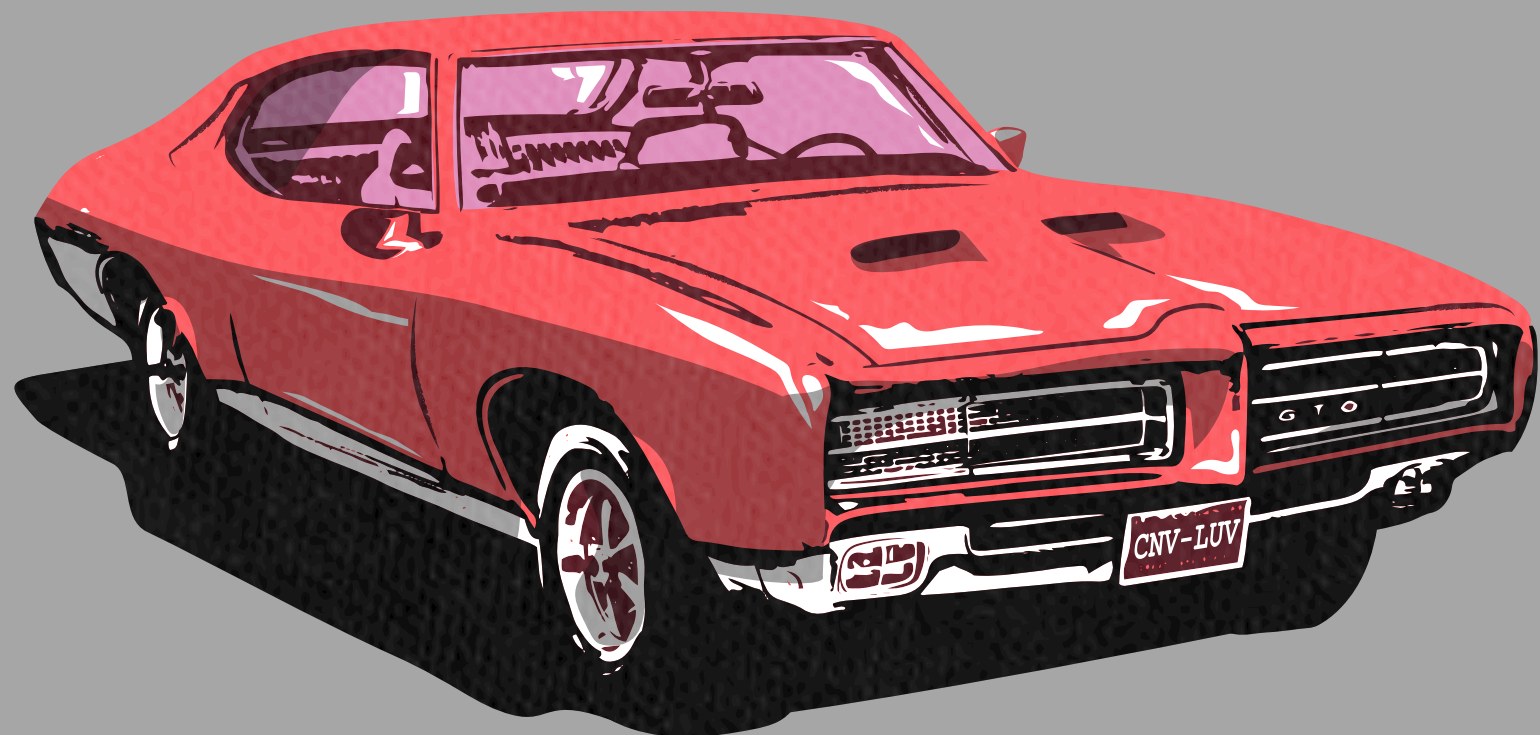


MY WEEKLY DISCUSSIONS



AUG 26, 2023

WEEK 1



SDLC and HCl in Software Design

This week, you read about HCl and SDLC. Both have multiple characteristics that can be used in software development. Which ones are the most important for this class? (This is a personal opinion, but remember to use two references to support your point of view.)

MY RESPONSE

SDLC and HCl in software design have multiple characteristics that can be used in software development, such as requirements analysis and user-centered design. Human-computer interaction (HCl) studies designing, implementing, and evaluating the interactive interfaces humans and computers use. People specializing in HCl think about designing and implementing computer systems that satisfy human users (Fawcett, 2021). SDLC provides a well-structured flow of phases that help an organization quickly produce high-quality software that is well-tested and ready for production use (n.d, 2023). Incorporating HCl and SDLC characteristics into software development can lead to an approach prioritizing user experience and technical quality. Both are important for this class, but HCl is the most important. HCl focuses on the interactions between humans and computers to design user-friendly and compelling interfaces for software applications and systems.

Fawcett, A. (2021, February 12). *Introduction to Human-Computer Interaction & Design Principles*. Educative.

Retrieved August 23, 2023, from <https://www.educative.io/blog/intro-human-computer-interaction>

A. (2023, March 10). *What Is SDLC? Understand the Software Development Life Cycle*. Stackify. Retrieved August 23, 2023, from <https://stackify.com/what-is-sdlc/>

SEP 2, 2023

WEEK 2



In this week reading we talked about frameworks for developing. Some examples are Vue, React and Vanilla. Make a research about the frameworks and choose 2 that you like according of what you found in the research. Explain the Pros and Con of the framework and the features that call your attention. Remember to add your references in APA format and support your opinions citing articles.

MY RESPONSE

While researching frameworks for development, two caught my eye: Django and Rails. Django is a high-level Python web framework encouraging rapid development and clean, pragmatic design. It follows the "batteries-included" philosophy, providing a wide range of built-in tools and libraries that make web development efficient and straightforward. Rails is a web application framework written in the Ruby programming language. It follows convention over configuration principles and doesn't repeat yourself (DRY), emphasizing efficient and clean coding practices.

Django follows the MVC architectural pattern, which separates the application into three main components: models (data structures), views (user interface), and controllers (business logic). Django's ORM allows developers to define database models as Python classes automatically translated into tables. This abstraction simplifies database interactions and reduces the need for raw SQL queries.

Django automatically generates an admin interface based on the defined models. This feature simplifies managing data in the backend and is highly customizable.

Similar to Django, Rails follows the Model-View-Controller (MVC) architectural pattern. It provides a clear separation of concerns between data models, user interfaces, and application logic. Rails have sensible defaults and conventions that help developers avoid unnecessary configuration and focus on writing application code. This leads to faster development. Ruby on Rails is known for its developer-friendly approach, rapid development capabilities, and vibrant Ruby community. It's an excellent choice for building web applications of varying sizes and complexities.

PART 2

Python Django Explained In 8 Minutes

<https://www.youtube.com/watch?v=0sMtoedWaf0>Links to an external site.

What Is Django And How It Works? | Django Rest Framework Python | Django Tutorial | Simplilearn

<https://www.youtube.com/watch?v=sPZeuiViku8>Links to an external site.

What Is Ruby On Rails? | Ruby On Rails For Beginners | Ruby Programming Language | Simplilearn

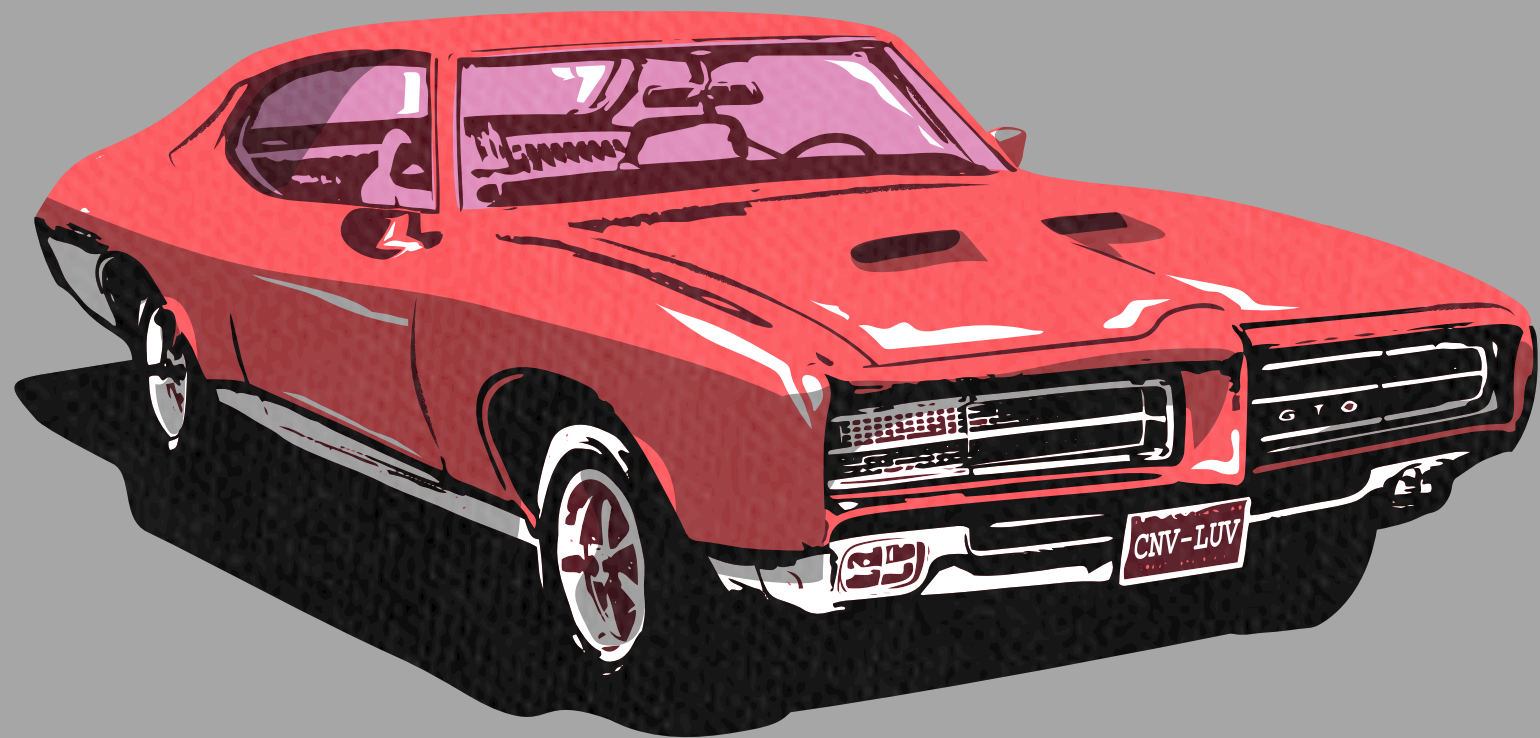
https://www.youtube.com/watch?v=6Vi_7R-BHPLinks to an external site.

Ruby in 100 Seconds

<https://www.youtube.com/watch?v=UYm0kfnRTJk>Links to an external site.

SEP 16, 2023

WEEK 3



I consider myself a full stack developer. I know as developer that I still need more training in some areas. That is one shortcoming of the full stack developer. How do you see you? As full stack, back end or front end? As you progress in the courses in the school you will interact with all the aspects of the front and back end. In this discussion review the front end and the back end developer, how do you see yourself. What are the shortcomings? What is the most interesting part of the area you choose? What do you think is the are you will need improve?

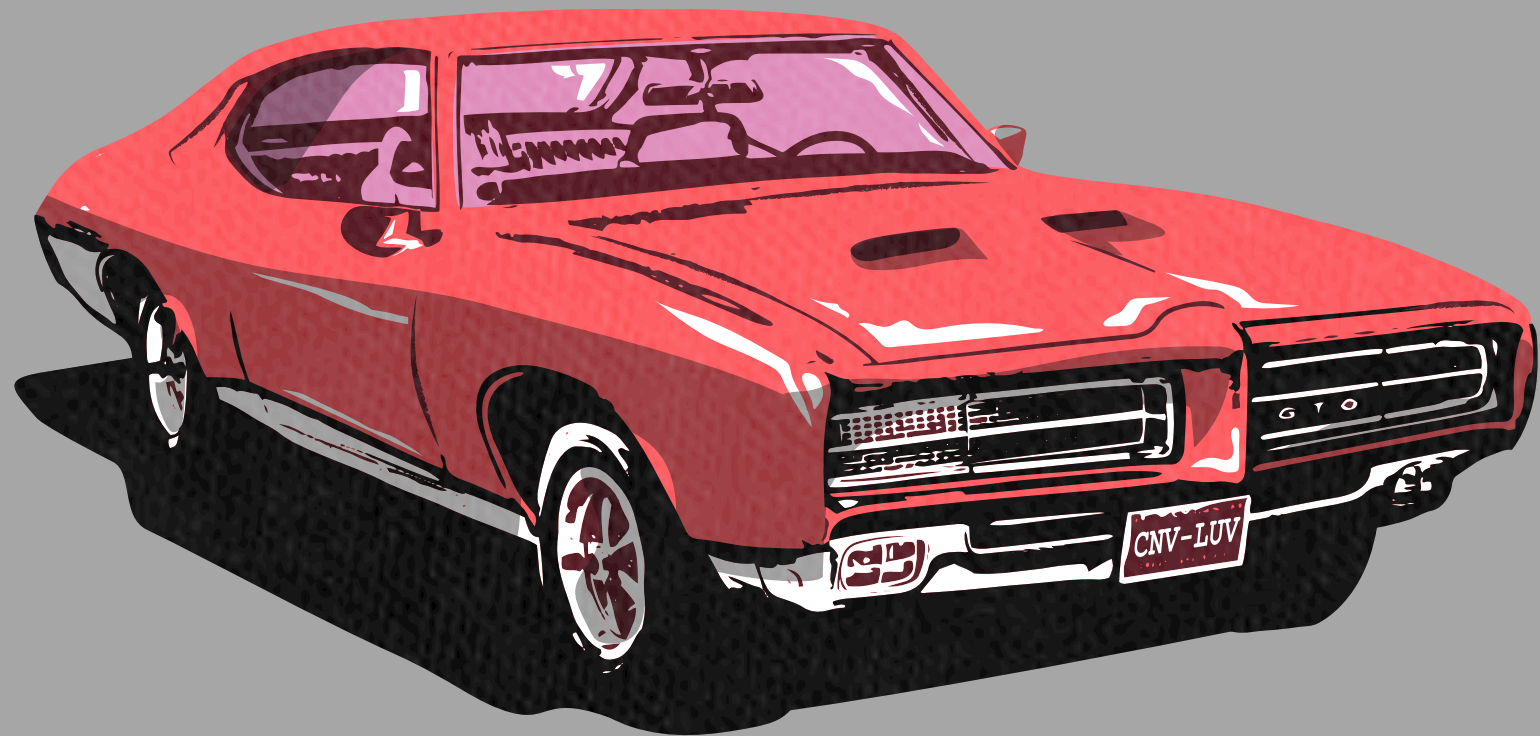
MY RESPONSE

I am a front-end web developer. Front-end web developers are responsible for crafting a website's visual and interactive elements that users directly interact with. They employ languages like HTML for structure, CSS for styling, and JavaScript for interactivity. This involves designing the layout, colors, and fonts and ensuring the site works seamlessly across various devices and browsers. They also optimize performance, implement user-friendly navigation, and collaborate with UX designers.

Additionally, front-end developers continuously update their skills to keep pace with industry trends, ensuring they create compelling and accessible web experiences. I love the creativity behind making a great-looking website. Front-end web development is essential, but it has its challenges. Making websites look and work the same on different browsers and devices can be challenging. Making websites load quickly is critical, especially on slow internet. Security, SEO, and keeping up with new tech are things to consider. Working with others on code and ensuring it's organized can be challenging. Turning designs into real websites and making changes based on feedback takes time. Even though it can be difficult, front-end development lets us make excellent and easy-to-use websites.

SEP 23, 2023

WEEK 4



This week we talk about the databases, databases management system and the relationship with SDLC. This is a back end development. According to the readings the the database develop goes in hand with the SDLC but some writers said the the main part of the database in the implementation. What is your opinion about this? It is something that must be part of all the process or only important in the deploy? Use 2 references to support your point. Remember to answer to 2 peer

MY RESPONSE

Database development is designing, creating, and populating a database with data (Stephens, Wilton, & Blackburn, 2009). It is essential to set up a database depending on a client's needs while planning the creation of a program. This helps determine the best way to collect and organize the data, which should only be saved at the end of deployment. Also, Database development has a life cycle similar to the SDLC. It has its planning, analysis, detailed system designs, implementation, and maintenance (Asojo, 2012). This life cycle and the SDLC align with how each is approached. Both the database life cycle and SDLC can be done simultaneously to make an effective program with everything the client may need. If database development is saved for the end to do at deployment, it can delay the overall success of a program.

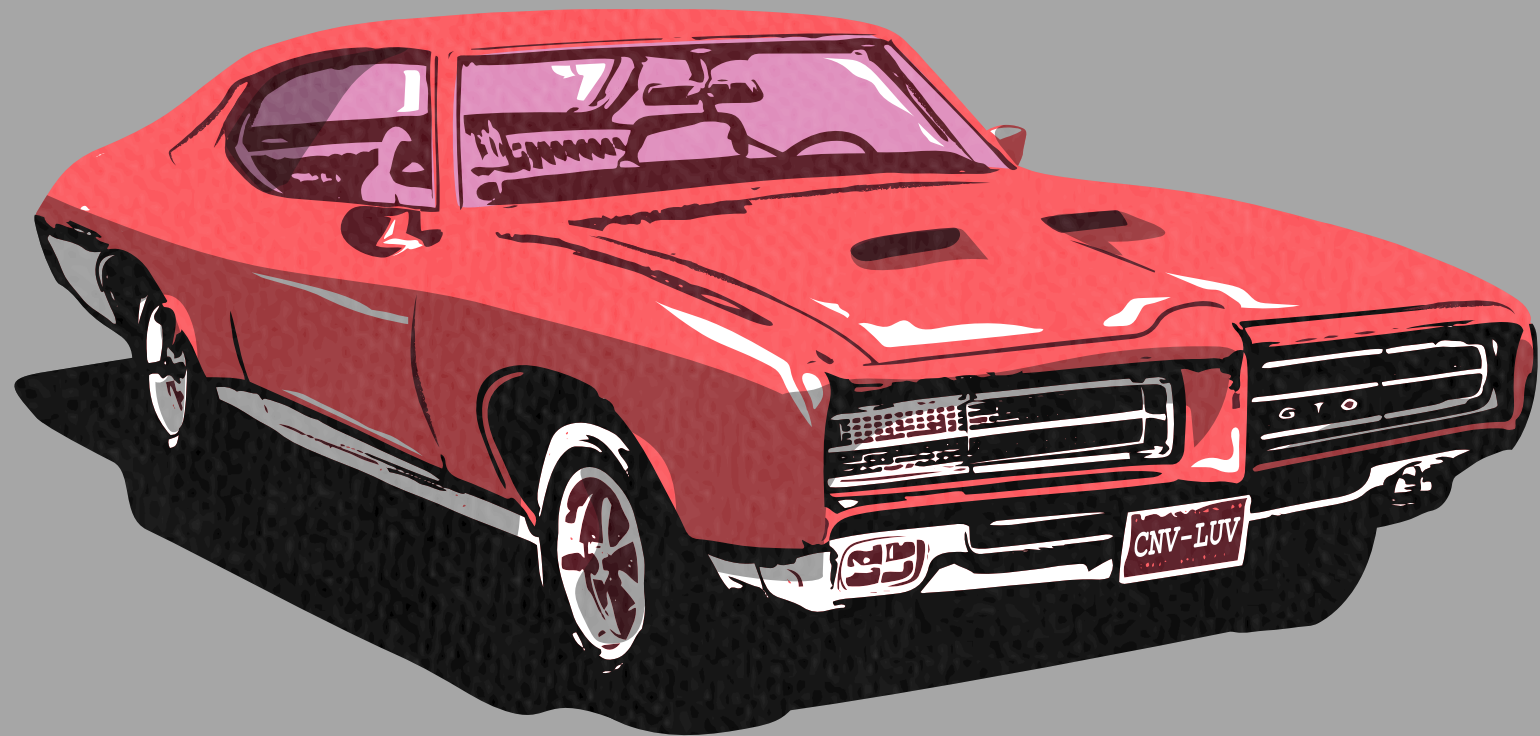
References:

Asojo, A. A. (2012). Database Implementation in the System Development Life Cycle (SDLC). *International Journal of Computer Science and Information Security (IJCSIS)*, 10(12), 28-33.

Stephens, R., Wilton, M., & Blackburn, J. (2009). *Beginning Database Design Solutions*. Apress.

SEP 30, 2023

WEEK 5



A little Ethic

After reading the different code of Ethics and Professional Conduct. Why ethics is an important part of the profession and you as a student?

MY RESPONSE

Ethics is like a compass for making good decisions in any job. It helps keep a profession honest and builds trust with the people it serves. Following ethical rules also keeps things legal and ensures personal interests don't get in the way of professional duties. Plus, it helps build a good reputation and opens up more opportunities. As a student, learning about ethics is like getting ready for the real world. It enables you to grow and be fair to others in your studies. It's also important to do your work honestly and respect others' ideas. So, whether you're a professional or a student, ethics is like a guide to doing what's right.

Reference

ACM. (2018, June 22). ACM Code of Ethics and Professional Conduct. Association for Computing Machinery. <https://www.acm.org/code-of-ethics>