

**ESKİŞEHİR TECHNICAL UNIVERSITY**

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**BIM222**

**INTERNET PROGRAMMING**

Homework Report

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# Homework 1

In [Homework 1](https://github.com/RadwanH/University-Web-Page), I made the website using only HTML and CSS as required taking some inspiration from some simple [pages](https://github.com/RadwanH/MyWeb) I made previously featuring the beautiful color #9b000a which is one of our university's main colors.

So in that homework I tried to go by the book as much as possible and do everything as required considering the homework's requirements as a customer’s requirements. I applied the first rule of Principles of Software Design which says "Make sure your software does what the customer wants it to do" although some requirements where not something I would've done if it was my own design like having a navigation bar and a sidebar which contain the same links at the same time but it is what it is "customer desires are the priority".

# What’s New in Homework 2?

In the [2nd homework](https://github.com/RadwanH/University-Web-Page-2.0) the priority was to make the website responsive which leads us to introduce the elephant in the room "Bootstrap" which is a very useful framework that makes our lives easier by providing us countless number of features in its predefined classes.

Taking advantage of bootstrap 5 classes, the following changes were made to the website while maintaining the original design:

* The navigation bar was replaced with a responsive navigation bar (using .navbar class and all other helper classes) which turns to a burger menu on smaller displays.
* The sections in all pages were modified using the proper bootstrap classes.
* The image in the hero section in the home page was turned into a slide of images showing different images automatically using bootstrap carousel.
* Same classes as the navigation bar were applied to the side bar as well.
* The footer has become much more responsive without using a single CSS property (in my style.css file).
* In the academics.html page the table was replaced with the responsive bootstrap .table class while maintaining the same design it had without Bootstrap.
* Graphs in the research.html page made bigger and much more responsive using .img-fluid class.
* Club cards in students.html page were modified using .card class.
* Style.css file has become much smaller after deleting more than three quarters of the original code! Showing the tremendous advantage and beauty of bootstrap (no wonder it's the most popular CSS framework).
* Some other tiny Bootstrap features were added to achieve the responsiveness desired.
* To maintain the designs that I made in the previous homework which is perfectly responsive and to avoid customizing bootstrap, I kept some CSS codes for some components across the website like the documents' cards, hover effect in the announcements in the homepage and in the club cards etc. maintaining simplicity (KISS principle).

# Conclusion

Overall, I've enjoyed making this website and gained many new skills and experiences. I also learned more about our university (by making researches to gather data to enrich the content of the website), moreover working with bootstrap and CSS3 showed me how easy it is make a simple static website without being a designer or anything which motivates me to learn more about frontend design and pursue to learn more JS and its frameworks.