Overview

Our group - Group 3 consists of three students: Gulzhan Kanay 203003@astanait.edu.kz, Azat Malgazhdar 203040@astanait.edu.kz, and Amir Galymov 203024@astanait.edu.kz from TS-2001 and TS-2002. Azat is a leader in our group.

This site is the complete new website of the library of AITU. We decided to remake with our own vision. The main purpose of this site is to help students of our university find the right books and literature for their subjects using an understandable and beautiful website. Library websites should be easy to use, up to date, and trustworthy. Outdated, clunky websites will only discourage people from using them.

Beyond the offline meetings, our group used Discord for communication and discussion of the project. We believe that this project could help us to understand our possibilities and can be a good portfolio in near future.

Project goals and team interests

Project goals

- Create a beautiful website for our library (design)
- Show knowledge of HTML and CSS
- Use a Bootstrap and CSS layout grid. Make website responsive
- Include all element from criteria

Team interests

- Understand and show knowledge of HTML tags and CSS by creating website for the library of AITU
- Consolidate knowledge of bootstrap and css grid system
- Establish a solid understanding of website design principles
- Improve team working skills by collaborating with members of our group

Phases

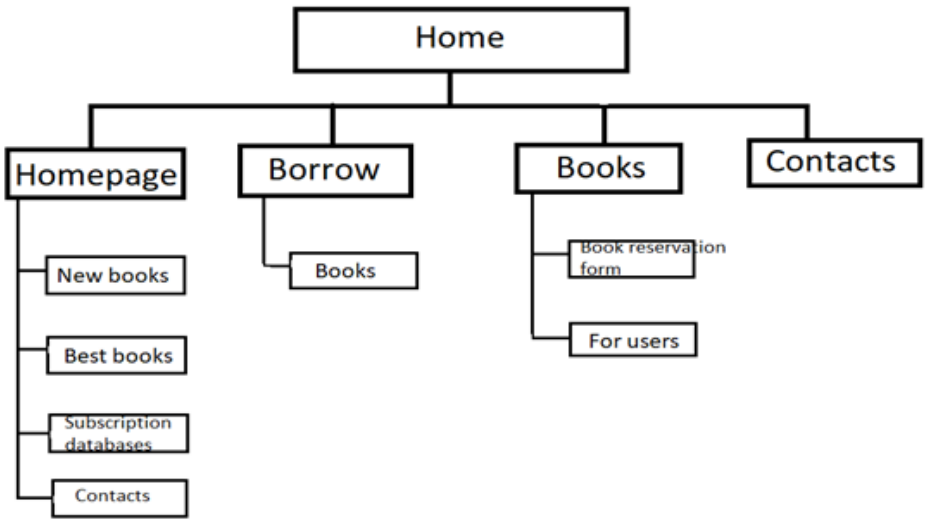
- Phase 1 – Basic library website with HTML

- Phase 2 – Add some styles to CSS to improve the look and make it more beautiful
- Phase 3 – Incorporate the set of books that will be available on this site and complete the book rental process
- Phase 4 – Provide documentation to note the steps and make decisions.

Content structure

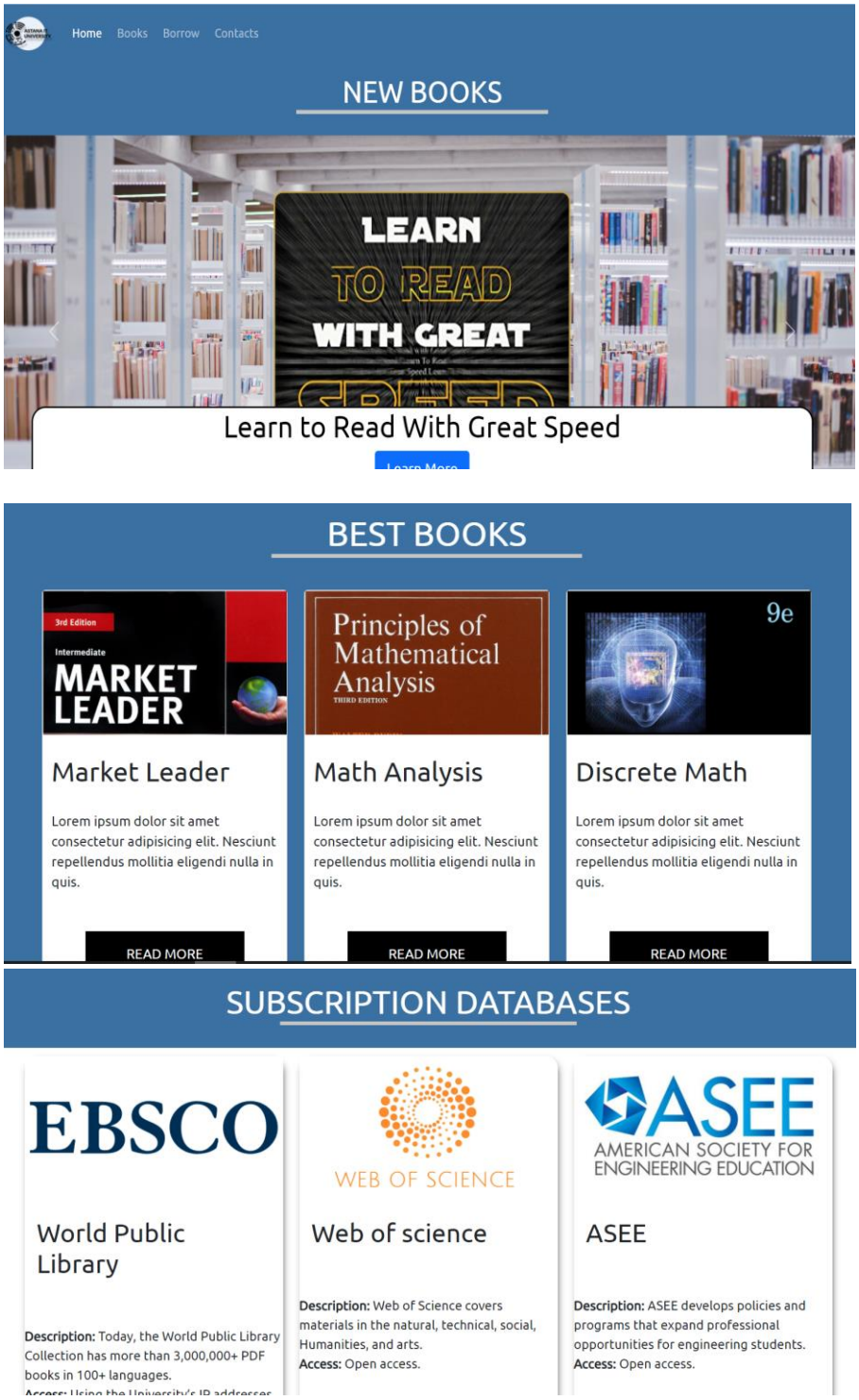
Site map

Site map of our website provides a diagram that shows the ‘tree’ type, hierarchical structure of the website page. From the Main page “Home” users can go to the next pages “Borrow”, “Books”, and to the footer of each page “Contacts”.



Content types

Page 1: Home. Content type: news



Page 2: Books. Content type: books, its title and description.

Page 3

Design

It is important to provide design assets and related references.

Our design assets:

- Reference links
- Image files
- Sketch files (on figma)

But our sketches were changed during the work process.

Library
NEW BOOKS
MARKET LEADER
BEST BOOKS
MIND BRAIN
SUBSCRIPTION DATABASES
EBSCO
Address
Contacts

Address
Contacts

BOOK RESERVATION FORM
Reset
Submit
FOR USERS
Address
Contacts

Google
arXiv.org

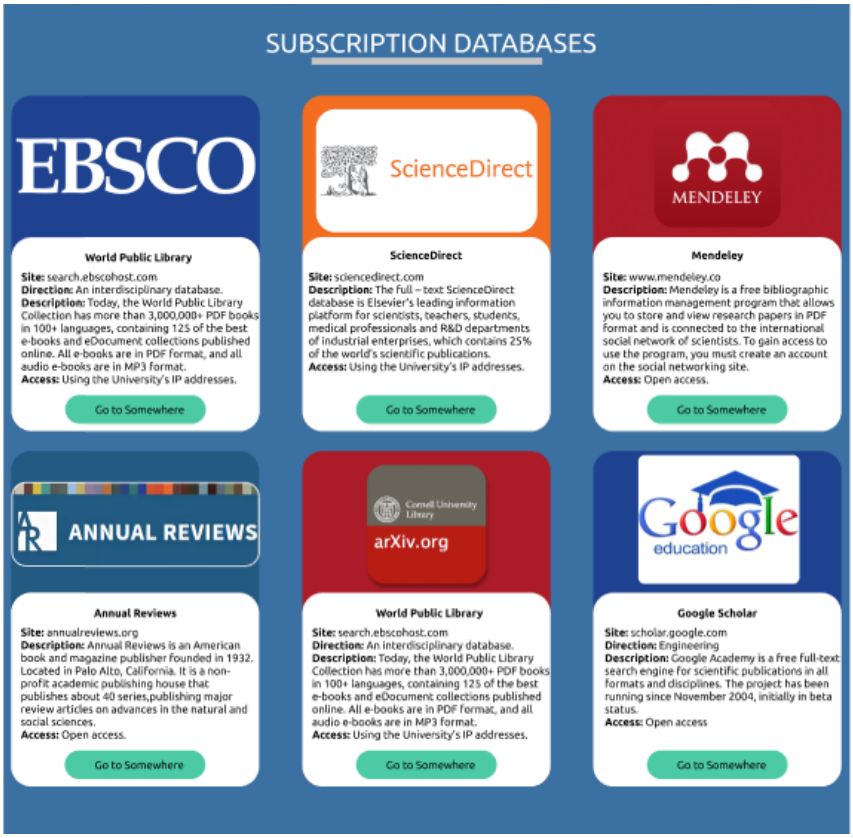
MARKET LEADER
Principles of Mathematical Analysis
THE ONLY SKILL THAT MATTERS
9e
A TEXTBOOK OF
DISCRETE MATHEMATICS

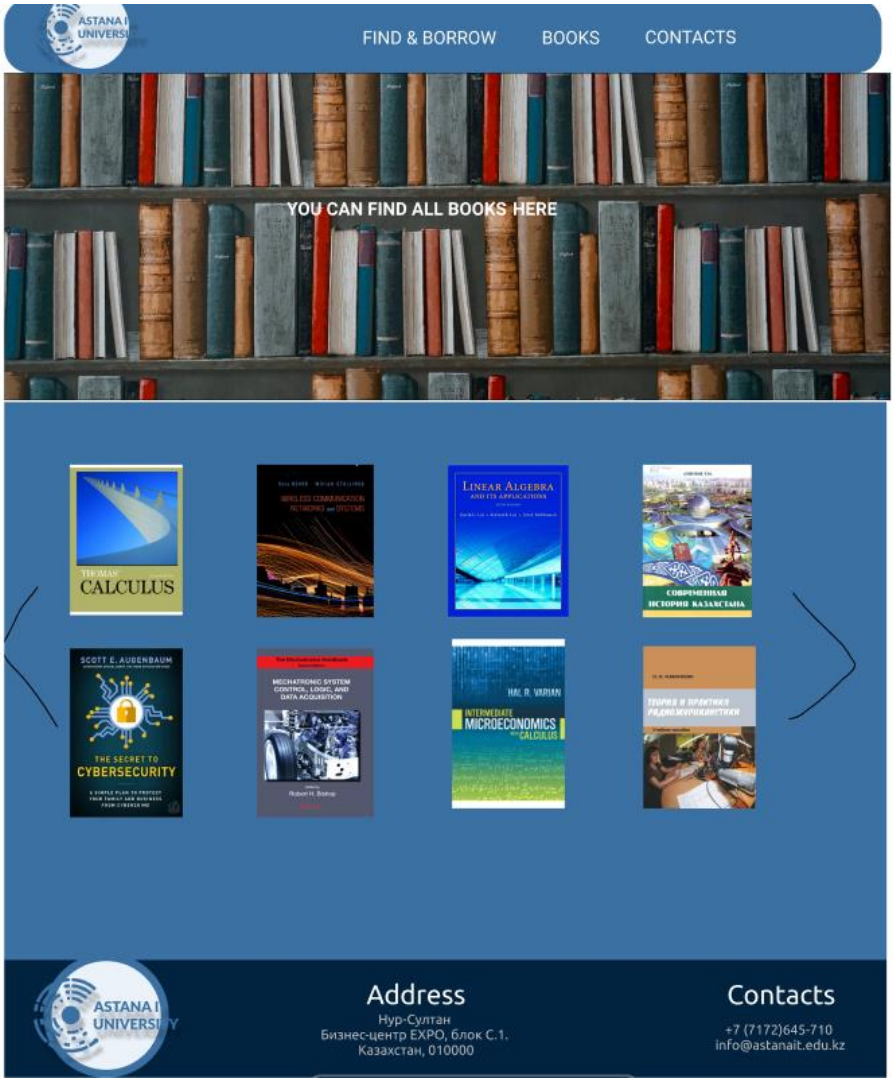
Linear Algebra

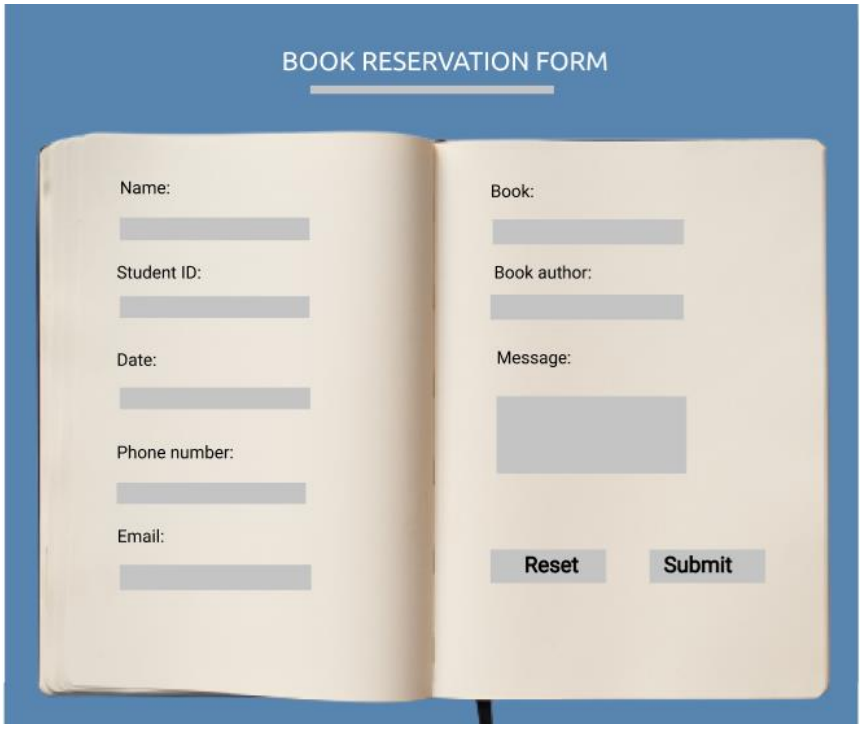
ASTANA IT
UNIVERSITY

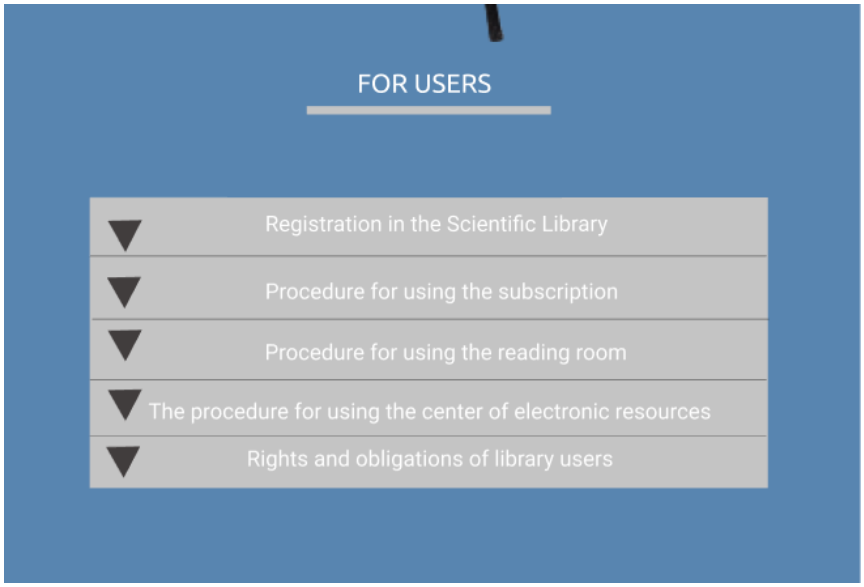
NEW BOOKS
ERIK LARSON
3rd Edition
Intermediate
MARKET LEADER
Business English Course Book
Audio CDs
David Cotton David Falvey Simon Kent
BIRD BOX
HOW MUCH OF THESE
BEST BOOKS

BEST BOOKS
THE ONLY SKILL THAT MATTERS
JONATHAN A. LEVI
make it stick
LEARN TO READ WITH GREAT SPEED
MICHAL STAWICKI
TRAIN YOUR MIND CHANGE YOUR BRAIN
SHARON BEGLEY


SUBSCRIPTION DATABASES
EBSCO
World Public Library
Site: search.ebscohost.com
Direction: An interdisciplinary database.
Description: Today, the World Public Library Collection has more than 3,000,000+ PDF books in 100+ languages, containing 125 of the best e-books and eDocument collections published online. All e-books are in PDF format, and all audio e-books are in MP3 format.
Access: Using the University's IP addresses.
Go to Somewhere
ScienceDirect
ScienceDirect
Site: sciencedirect.com
Description: The full – text ScienceDirect database is Elsevier's leading information platform for scientists, teachers, students, medical professionals and R&D departments of industrial enterprises, which contains 25% of the world's scientific publications.
Access: Using the University's IP addresses.
Go to Somewhere
MENDELEY
Mendeley
Site: www.mendeley.co
Description: Mendeley is a free bibliographic information management program that allows you to store and view research papers in PDF format and is connected to the international social network of scientists. To gain access to use the program, you must create an account on the social networking site.
Access: Open access.
Go to Somewhere
ANNUAL REVIEWS
Annual Reviews
Site: annualreviews.org
Description: Annual Reviews is an American book and magazine publisher founded in 1932. Located in Palo Alto, California. It is a non-profit academic publishing house that publishes about 40 series,publishing major review articles on advances in the natural and social sciences.
Access: Open access.
Go to Somewhere
Cornell University Library
arXiv.org
World Public Library
Site: search.ebscohost.com
Direction: An interdisciplinary database.
Description: Today, the World Public Library Collection has more than 3,000,000+ PDF books in 100+ languages, containing 125 of the best e-books and eDocument collections published online. All e-books are in PDF format, and all audio e-books are in MP3 format.
Access: Using the University's IP addresses.
Go to Somewhere
Google education
Google Scholar
Site: scholar.google.com
Direction: Engineering
Description: Google Academy is a free full-text search engine for scientific publications in all formats and disciplines. The project has been running since November 2004, initially in beta status.
Access: Open access
Go to Somewhere


FIND & BOOKS
BOOKS
CONTACTS
YOU CAN FIND ALL BOOKS HERE
THOMAS CALCULUS
LINEAR ALGEBRA AND ITS APPLICATIONS
SCOTT E. AUDENBAUM
THE SECRET TO CYBERSECURITY
MECHATRONIC SYSTEM CONTROL, LOGIC, AND DATA ACQUISITION
HAL R. VARIAN
INTERMEDIATE MICROECONOMICS WITH CALCULUS
Address
Нур-Султан
Бизнес-центр EXPO, блок С.1.
Казахстан, 010000
Contacts
+7 (7172)645-710
info@astanait.edu.kz


BOOK RESERVATION FORM
Name:
Student ID:
Date:
Phone number:
Email:
Book:
Book author:
Message:
Reset
Submit



Here is the draft design of our site.

It is also important to provide a style guide and/or annotations for information such as:

- colors

```
background-color: rgba(1, 35, 64, 1);
```

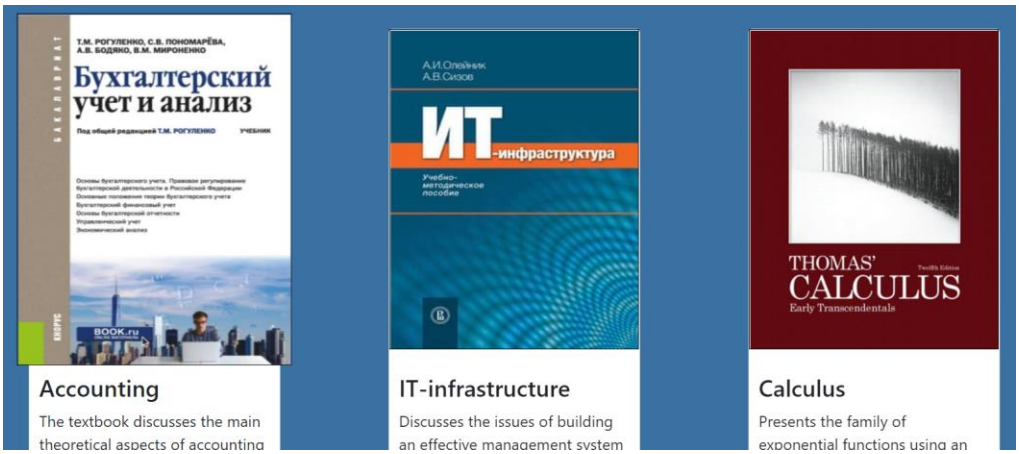
- typography rules

```
font-size: 16px;
```

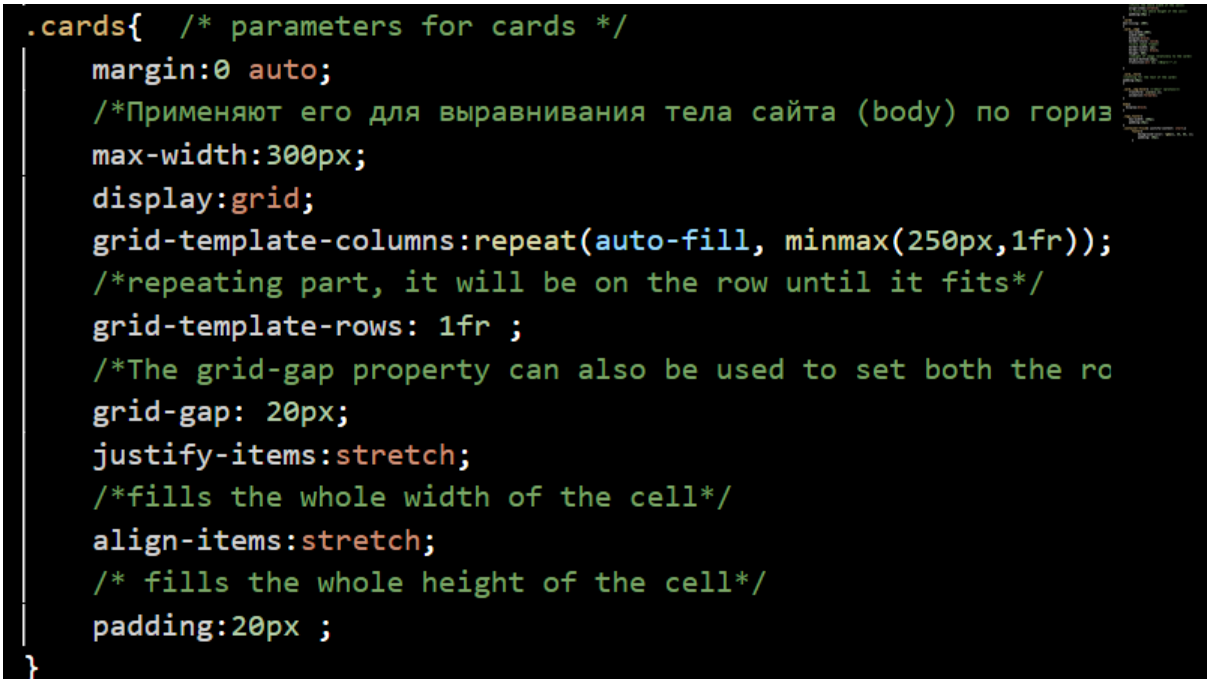
```
@import url('https://fonts.googleapis.com/css2?family=Ubuntu&display=swap');
```

- hover states and animations

```
.card__img:hover{ /*эффект наведения*/
    transform: scale(1.1);
    animation:forwards;
}
```



- grid systems



```
.cards{  /* parameters for cards */
    margin:0 auto;
    /*Применяют его для выравнивания тела сайта (body) по гориз
    max-width:300px;
    display:grid;
    grid-template-columns:repeat(auto-fill, minmax(250px,1fr));
    /*repeating part, it will be on the row until it fits*/
    grid-template-rows: 1fr ;
    /*The grid-gap property can also be used to set both the ro
    grid-gap: 20px;
    justify-items:stretch;
    /*fills the whole width of the cell*/
    align-items:stretch;
    /* fills the whole height of the cell*/
    padding:20px ;
}
```

- spacing

The design of the site during the progress:

We slightly redesigned our site because it was not good looking or very hard to perform in the coding part, however we left some parts of the draft design. It has become more neat and smooth.

Functionality

Functionality of that website borrowing available books. In main page you can see new arrived items, frames with best available books and our contacts. In navigation bar you can click on borrow button that will send you to the page where you can choose book or books which you want. After finishing choosing books, you will be sent to page with the form where you must entry information about you and your contacts.

Hosting

1. Create new repository
2. Give a name and set as a public
3. Upload files

https://azat0921.github.io/midterm-project/

https://github.com/azat0921/midterm-project.git

Accessibility

The design of the library website is simple and accessible. Users can find it on a github, and open it without passwords etc.

When all else fails, the best option for an accessible website is a popular font with a clean, sans serif aesthetic.

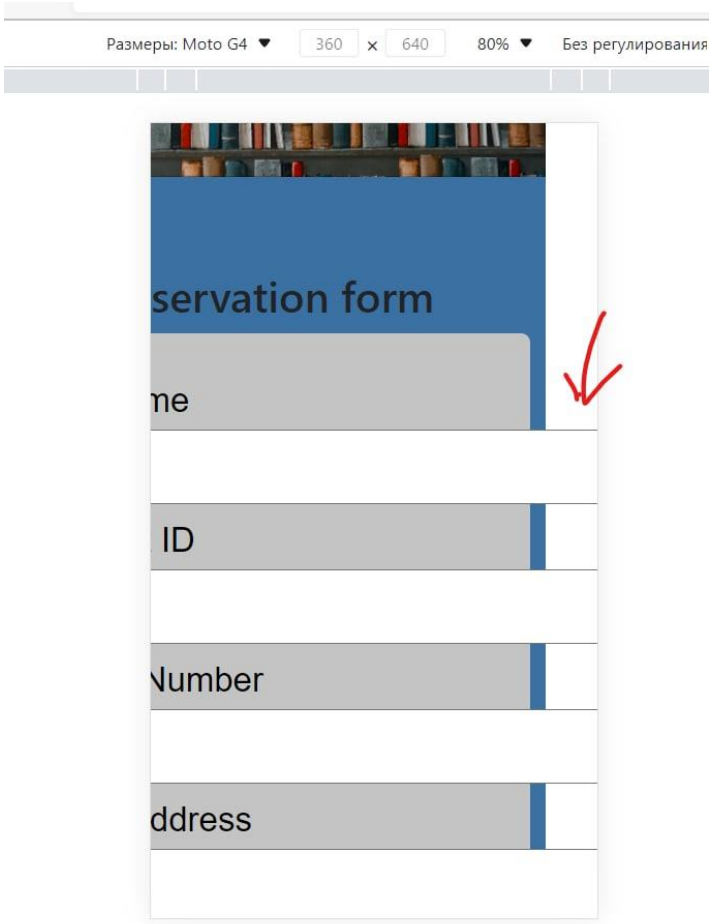
Deadlines

We divided project deadlines into four phases:

- Phase 1 – October 8, 21:00 Page 1
- Phase 2 – October 9, 21:00 Page 2
- Phase 3 – October 10, 21:00 Page 3
- Phase 4 – October 11, 21:00 Documentation

Summary

This work was devoted to the creation of a working website of the university library. The goal was set and achieved, which was to create a site in a given time, following the specified criteria. The site corresponds to our drafts in figma even though some changes were made in the process of work. During the project implementation there were problems with responsiveness, css of the website and borders, but we managed to find a solution to each problem except one: size of mailchimp form. We tried to fix it with sizing parameters, borders, etc.



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This project taught us how to use our knowledge of HTML and CSS along with designer abilities.

The obtained development results make it possible to assert that the project is relevant and ready for operation.

The project can be improved in the future by fixing mailchimp, adding different components or changing a design.