

EduSpark



Difficulty in accessing and understanding university course materials




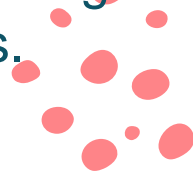
- ✓ Many university students struggle to understand and keep up with their course materials.
 - ✓ This can lead to poor grades, missed opportunities, and a lack of confidence in their academic abilities.
 - ✓ Additionally, accessing reliable and comprehensive course materials can be a challenge, as students often rely on outdated textbooks or incomplete lecture notes. This can result in a fragmented understanding of the subject matter and hinder their ability to succeed in their studies.
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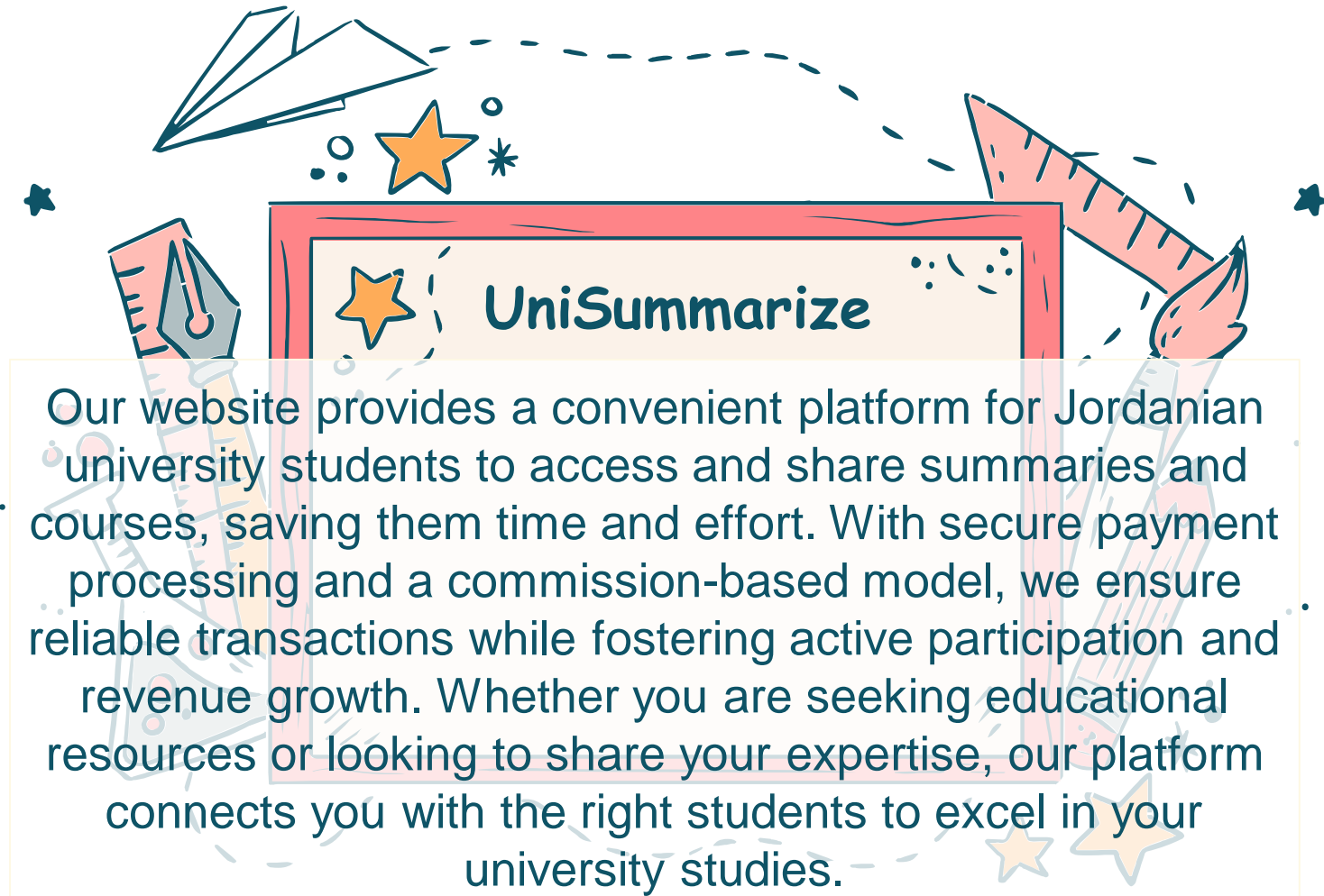
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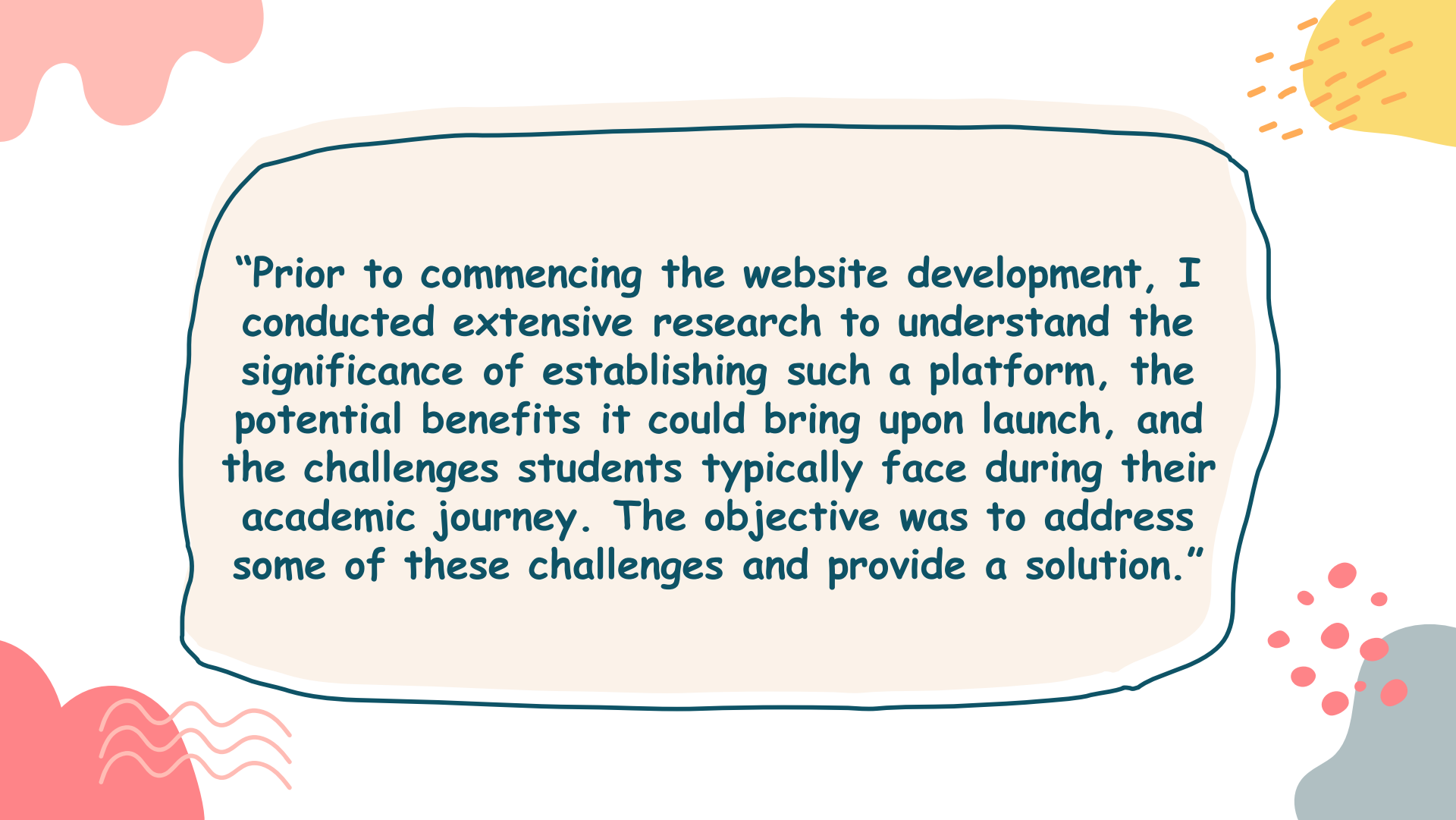
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Our website provides a convenient platform for Jordanian university students to access and share summaries and courses, saving them time and effort. With secure payment processing and a commission-based model, we ensure reliable transactions while fostering active participation and revenue growth. Whether you are seeking educational resources or looking to share your expertise, our platform connects you with the right students to excel in your university studies.



"Prior to commencing the website development, I conducted extensive research to understand the significance of establishing such a platform, the potential benefits it could bring upon launch, and the challenges students typically face during their academic journey. The objective was to address some of these challenges and provide a solution."

Website objectives



Provides summaries and university courses

Access to educational resources for Jordanian universities



electronic explanation service

Connects students via video platforms for easier understanding



Enables payment through website

Secure and reliable payment processing




01

The Problem

We solved it !

During their university studies, students often encounter difficulties in finding reliable sources to aid their learning and understanding of various academic materials, especially in the initial stages. The vast array of references and extensive textbooks can overwhelm students, causing them to feel lost and distracted. Consequently, they seek effective ways to comprehend these topics thoroughly.

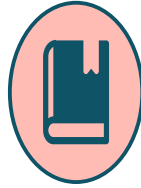
Many students resort to creating summaries of university materials and compiling essential notes to enhance their knowledge and achieve higher grades. Additionally, some students offer courses or lectures, either in rented halls or by recording video clips. However, these methods consume significant time, effort, and financial resources.



02

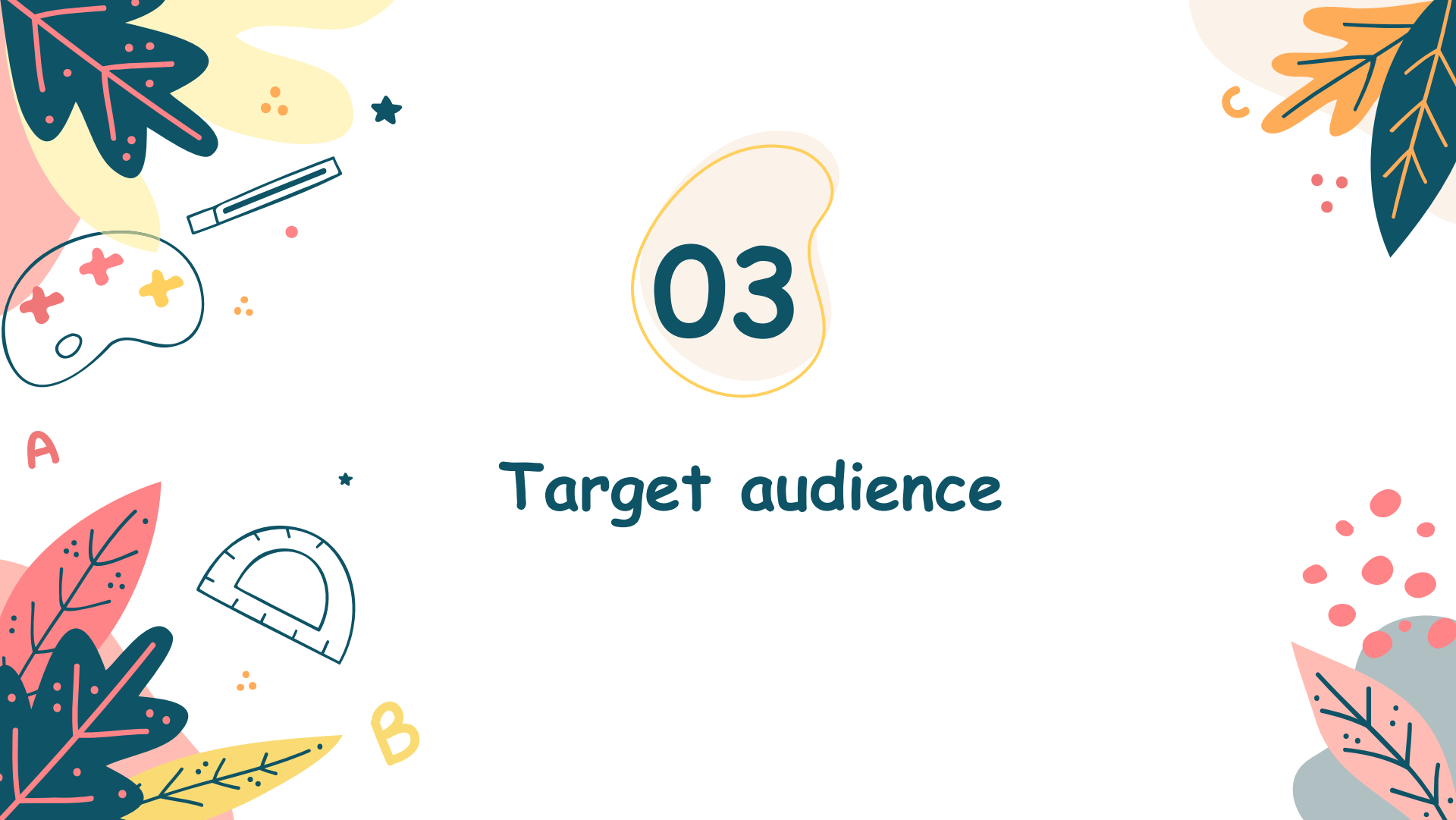
The Solution

We find the solution fo you



I have developed a solution in the form of a website that aims to connect students from both public and private universities. The website allows students to share their summaries and offer various courses related to university subjects or other relevant topics to their fellow students. In return for their contributions, students can charge a fee, which can help cover their expenses and motivate them to provide high-quality content.





03

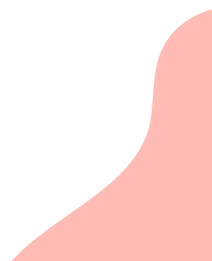
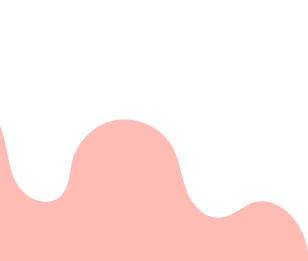
Target audience

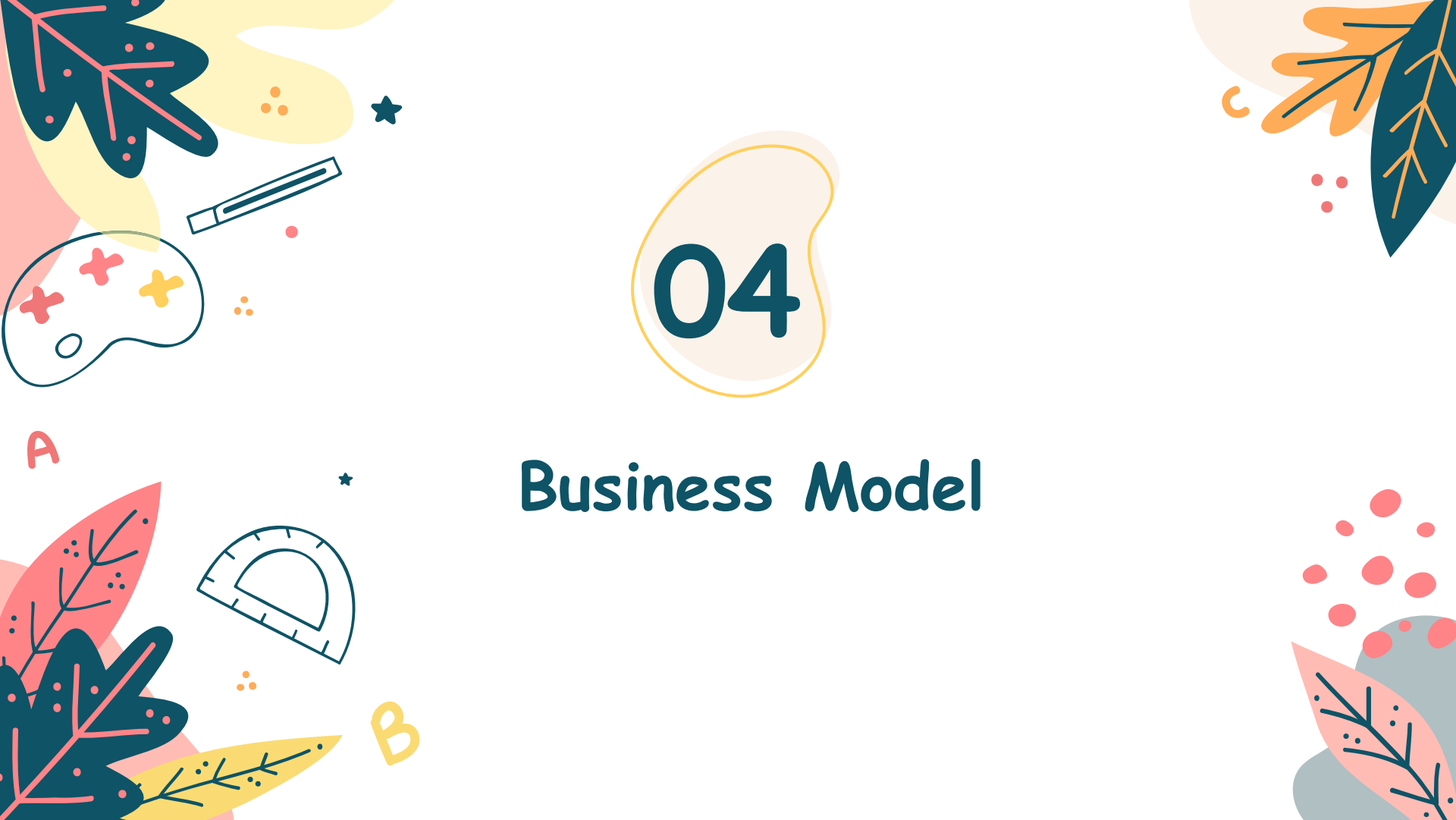


We focus on Uni students



The target audience of the website will primarily be university students, both from public and private universities, who are seeking assistance in understanding and summarizing their study materials. This includes students who want to provide explanations and summaries, as well as those who are looking to access and benefit from such resources to excel in their university studies.





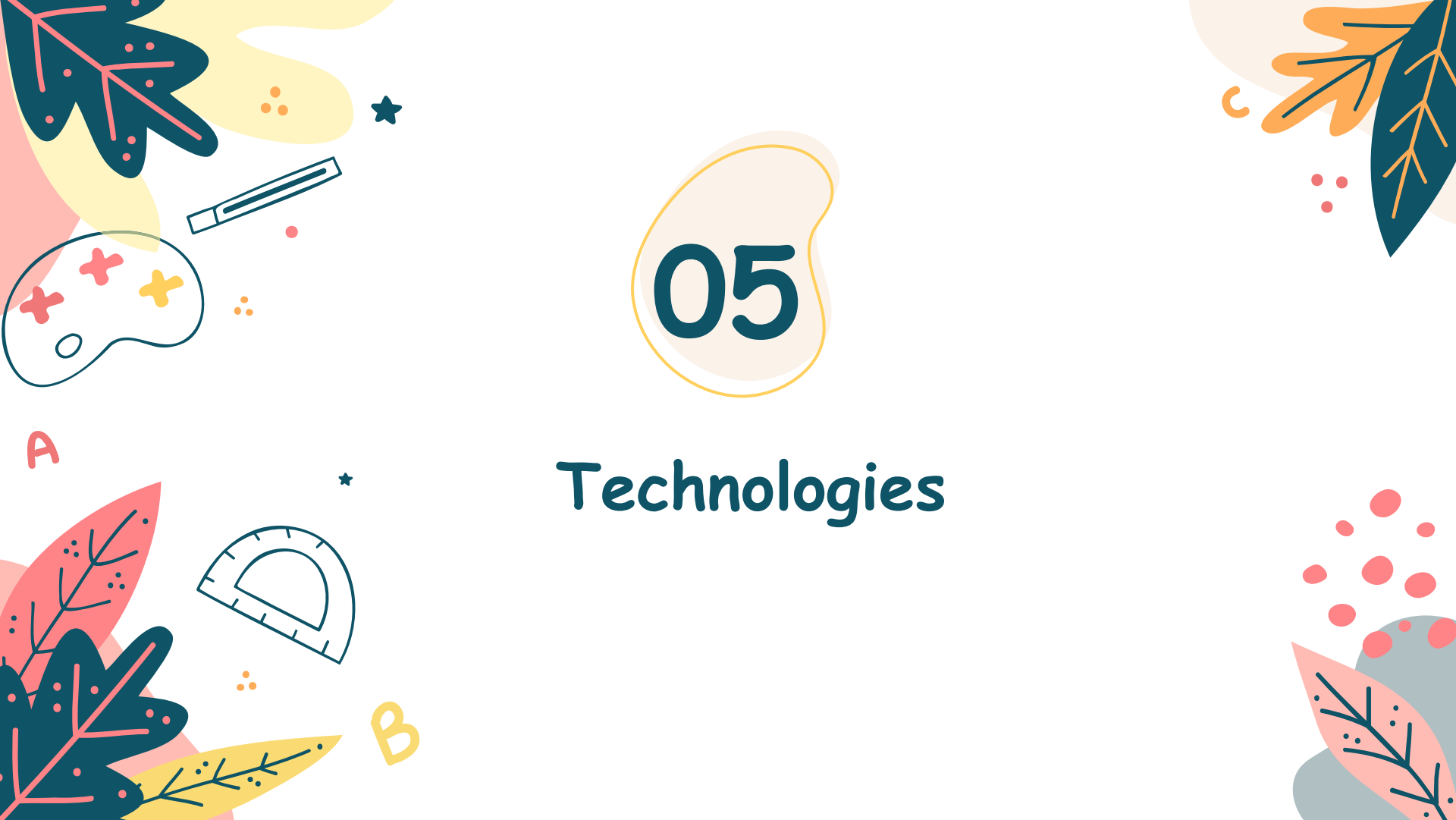
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Business Model

The business model of the website

The business model is based on a third-party platform that connects university students seeking educational resources with students who provide summaries and courses. The platform acts as a facilitator, enabling transactions between these two user groups. The revenue generation is structured around a commission-based model.

When users make payments for course enrollments or purchases of summaries through the website, a commission of 15% is applied to each transaction. This commission is deducted from the payment, and the remaining amount is then transferred to the respective university or content provider. The website ensures secure and reliable payment processing, while also ensuring accurate commission calculations and deductions.



05

Technologies

The Technologies used to get job done

1. Integrated Development Environment: Visual Studio Code.
2. HTML (Hypertext Markup Language).
3. CSS (Cascading Style Sheets).
4. JavaScript.
5. React JS.
6. Bootstrap.
7. Node.js.
8. Express JS.
9. MySQL RDBMS.
10. Git and GitHub.
11. MVC design pattern.



Test Case: User Join Course and Complete Payment

Description:

This test case focuses on the user's ability to join a course published by another student who wants to explain it. The test includes the process of completing the payment for the course.

Input Data:

- User Email: razanalqaddoumi@gmail.com
- User Password: Test123456789
- Selected Course: "Introduction to React JS"

Expected Data:

After completing the payment for the selected course, the user should be enrolled in the course and gain access to the course materials and online meetings.

Data Obtained:

1. The candidate logged into their personal account using the provided email and password.
2. The candidate navigated to the course catalog and selected the "Introduction to React JS" course.
3. Clicking the "Join Course" button initiated the payment process.
4. The system redirected the candidate to the payment gateway "cards or orange money", where they entered their payment details.
5. After successful payment, the system displayed a confirmation message and redirected the candidate back to their personal account.
6. In the personal account, the candidate could see the "Introduction to React JS" course listed in their enrolled courses.
7. The candidate accessed the course materials, including summaries and online meeting details in his profile.



Project Technical Specifications (including security)

Security: The project implements user authentication using bcrypt for password hashing and JWT (JSON Web Tokens) for secure session management. Input validation and data sanitization techniques are applied to prevent common security vulnerabilities.



Mobile Web: The website is designed responsively, utilizing CSS media queries and adaptive layouts to ensure optimal user experience across different devices and screen sizes. The use of responsive frameworks like Bootstrap is considered for consistent styling and mobile-friendly UI.







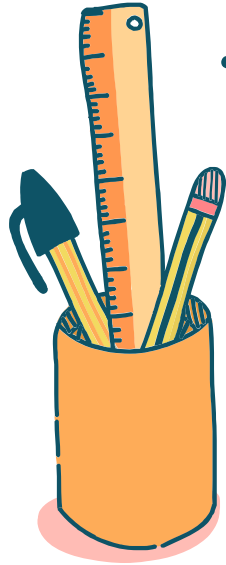
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Conclusion



The Website will provide summaries and university courses added by students for each Jordanian university added to it, whether governmental or private, some of which will be for a small amount and others for free, according to the desire of the student who will publish them. Electronic explanation service will be available via the website, and communication with students will be through platforms that provide direct video services such as Zoom, Microsoft Teams and Google, after the student who will explain provides the link to other students via the website. And this process will be to make it easier for students to understand and track the materials and save time and effort instead of going to a rented place to explain the materials to them, and in addition to the availability of payment through the website, you just have to enter all your banking information to follow the payment process through many methods Payment such as several types of Cards, and Orange Money Wallet.





THANKS for
your time!

