



UTE^{TEC}
Universidad Tecnológica de El Salvador



A local university was looking to create a new experience for their users bringing a mix of existing digital services as well as some only available in person to the student's mobile devices, enabling services from checking on their grades to paying for tuition and other school services.

Services performed



0.1 PRODUCT DESIGN

We provided the client with insights into the mobile services landscape and held workshops to define the scope and services, which we included in the app UI/UX design process.

0.2 NATIVE DEVELOPMENT

The solution was initially developed on native platforms (Swift / Kotlin) and supported with regular updates until 2022.

03 FLUTTER DEVELOPMENT

Our strong background in native app development allowed us to easily migrate the solution to flutter, to provide faster time-to-market of new features.

04 MAINTENANCE

We are responsible for the maintenance of the system. The maintenance phase's goal is to ensure that the application is up-to-date and attractive.

05 QA & TESTING

We strive to deliver the best user experience possible, which entails that testing and QA control is done by our staff before handling it for the clientes Beta testing.



Graphic Design Approach

1

User-Centered Design

The design process prioritized user needs and feedback, leading to an intuitive and enjoyable user experience.

2

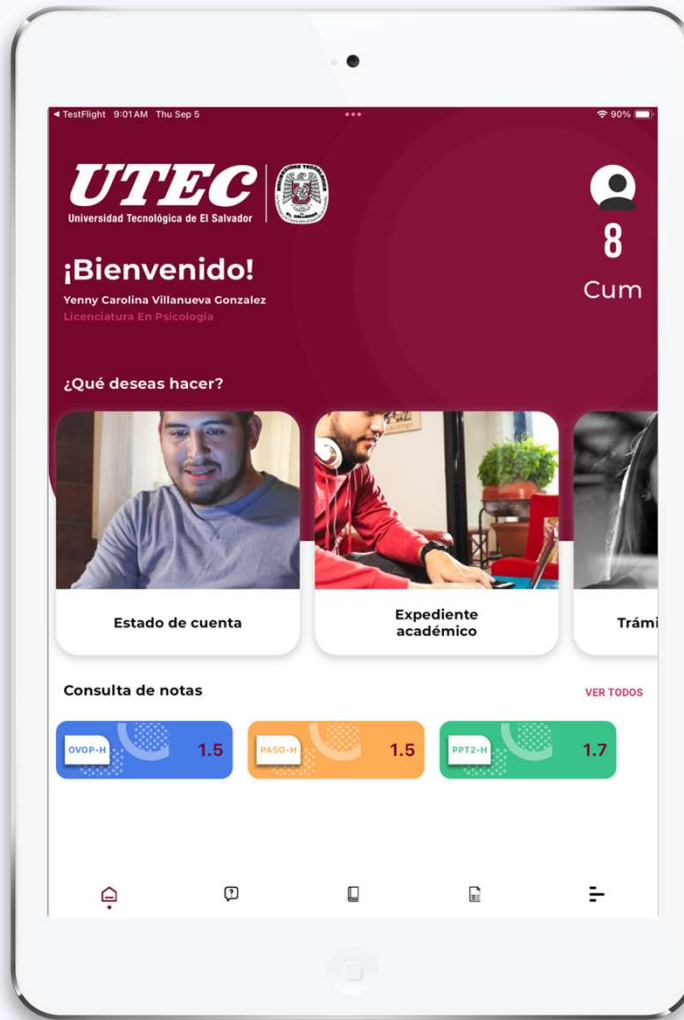
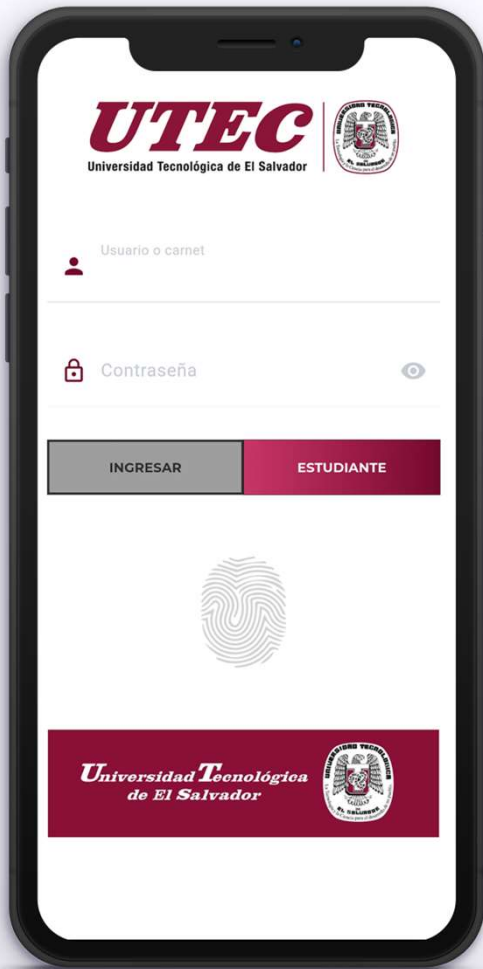
Consistent Branding

Maintaining a cohesive brand identity across all platforms ensured visual consistency and brand recognition.

3

Responsive Design

The application was designed to adapt seamlessly to different screen sizes and devices, optimizing user experience.



Infrastructure Considerations

Scalability

The infrastructure was designed to handle increased user traffic and data volume.

Security

Robust security measures were implemented to protect sensitive user data and application integrity. Data is encrypted on transit.

Monitoring & Logging

Continuous monitoring and logging enabled the team to detect and resolve potential issues quickly and efficiently.

Disaster Recovery

A comprehensive disaster recovery plan was in place to minimize downtime and ensure business continuity.



Challenges and Obstacles Faced

1

Integration Challenges

Integrating diverse systems and APIs presented significant technical challenges.

2

Performance Optimization

Optimizing application performance to meet user expectations required careful analysis and tuning.

3

Security Vulnerabilities

Identifying and addressing potential security vulnerabilities was crucial to protect user data, especially once payments were included in the app.

4

Time Constraints

Meeting tight deadlines while maintaining quality was a constant challenge for the development team.



Client Feedback and Outcomes



Increased User Engagement

The application achieved significant user engagement, exceeding client expectations and driving business growth. Over 80% of users engage with the solution.



Improved Business Processes

The application streamlined student processes, improving efficiency and productivity once usage shifted to the mobile platform.



Strong Client Relationship

The project fostered a strong and collaborative relationship between the development company and the client, which is still ongoing since 2017.



**We can help your company
bring your needs and ideas
to your customers.**

If you have any questions or would like to discuss how we can help you achieve your goals, please reach us at:

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