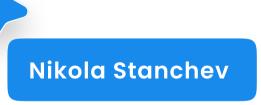
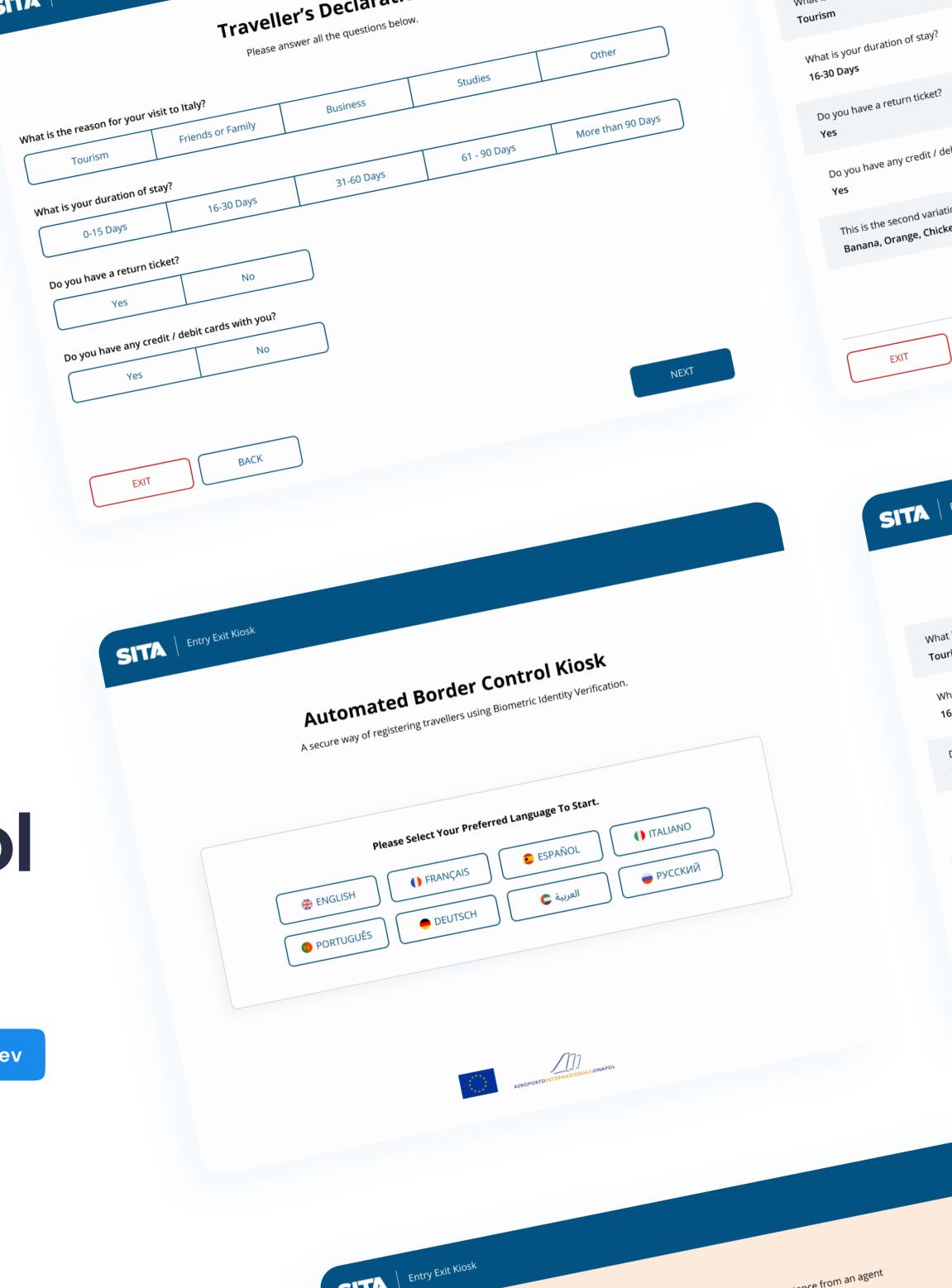


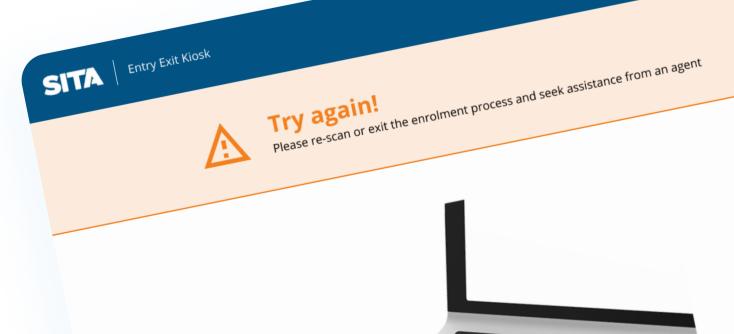
UX Case Study

SITA At Borders

Automated Border Control Kiosk







Problem Statement

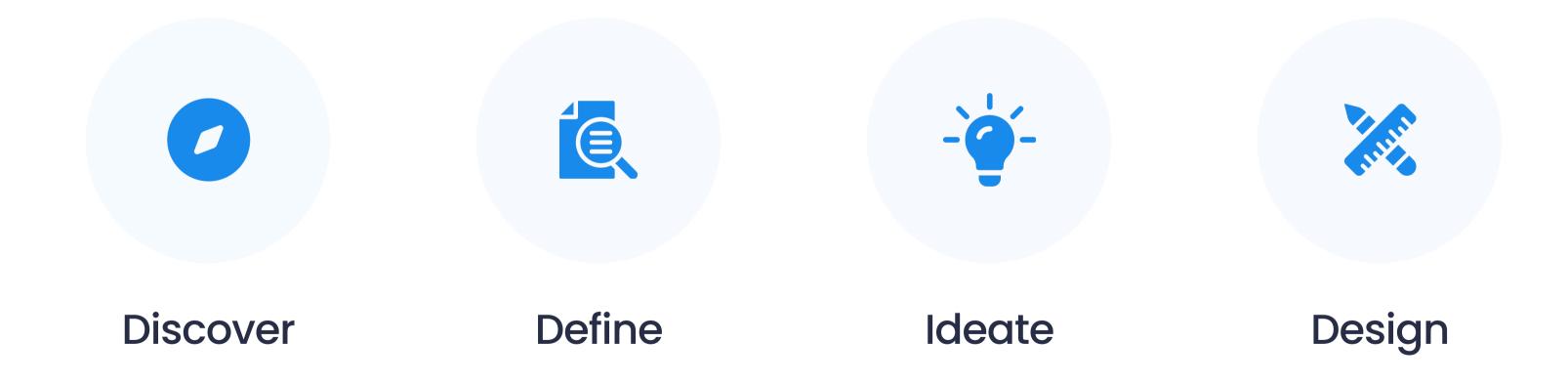
Airports require efficient self-service machines to expedite passenger processing at the border.

Objectives & Goals

• Time-efficient passenger enrolment at the border.

• The UI needs to be easily rebranded and adaptable to multiple languages.

Our Process



Business Challenges

- -> Usability and User-Friendliness: Designing intuitive and efficient interactions.
- Multilingual Support: Seamless language options for diverse users.
- -> Accessibility and Inclusivity: Designing for users with disabilities.
- --> Error Handling and Guidance: Clear instructions and informative error messages.
- User Support and Assistance: Providing prompt help and assistance options.





Product Users

Individuals of various ages and backgrounds who are traveling by air. They are international passengers exclusively.



Quantitative Research

Conducted extensive research with results from our target audience.

Observations

60%

Roughly 60% of respondents with disabilities may express frustration over the lack of accessibility features in current kiosk designs.

75%

Approximately 75% of users may struggle with understanding the complex navigation and menu options of existing kiosk systems.

90%

An estimated 90% of participants may desire clear instructions and visual cues to overcome confusion during the self-service process

70%

Around 70% of respondents may express the need for readily available assistance options to address issues or queries while using the kiosk.

80%

Approximately 80% of participants desire a multilingual interface for inclusivity.

User Needs

- User-Friendly Interface: Users need an intuitive and efficient kiosk interface for seamless task completion.
- Multilingual Compatibility: Users require language support for a more inclusive experience.
- Accessibility: Users with disabilities need kiosks designed with accessibility features.

Features & Functionalities

To resolve user needs



Intuitive Interface



Multi-Language Support



Accessibility Features

Product User Challenges

- Technical glitches: Users may face technical issues, hindering their interaction.
- User errors: Input mistakes and confusion require clear guidance and error handling.
- Language barriers: Limited language options can impede user understanding and completion.
- Inconsistent experience: Varying design and functionality across kiosks confuse users.

Competitor Analysis

Vision-Box

Advanced ABC Kiosks with seamless biometric enrollment and integrated passenger analytics

Features:



- Convenient biometric data enrollment, ensuring faster and accurate identity verification.
- → Integrated analytics systems, optimizing operations and enhancing the passenger experience by providing valuable insights on flows and patterns.

SecuNet

Secure ABC Kiosks with HD multispectral sensors and automated document authentication.



Features:

- Advanced biometric authentication.
- -> Automated document authentication.

Unique Features

- Kiosk should have keyboard, numpad, calendar picker and question types for accurate responses.
- Users pre-enroll via phone and scan QR code for faster processing.
- The kiosk should provide robust multilanguage support, enabling users to interact in their preferred language for an inclusive and user-friendly experience.

User Persona



Traveller Tim
Sales Manager

About



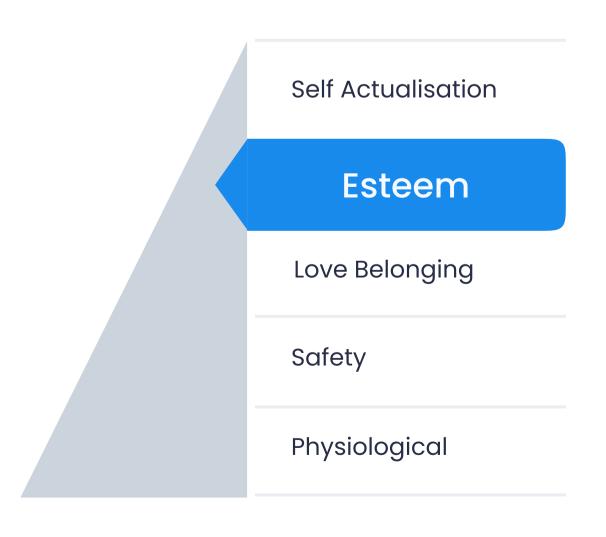




MBA

Employee

Maslow Pyramid



Description

Alex is a tech-savvy frequent traveler who values efficiency and convenience.

A day in their life

- Alex prepares for travel, organizing documents and checking schedules.
- At the airport, Alex efficiently uses self-service options for check-in and bag drop.
- In-flight, Alex works on his business tasks.

Pain points

- Long queues, wasting time and causing delays.
- Complex forms and unclear instructions overwhelm Alex, hindering timely border crossing.



Traveling for business is already hectic enough. I appreciate selfservice kiosks that make border control a breeze. It saves me time and allows me to focus on what truly matters during my trips.

Eisenhower Matrix

Urgent

Not Urgent

Important

- Multilanguage support
- QR Code capability
- Declaration screens with various of question types
- Error Handling

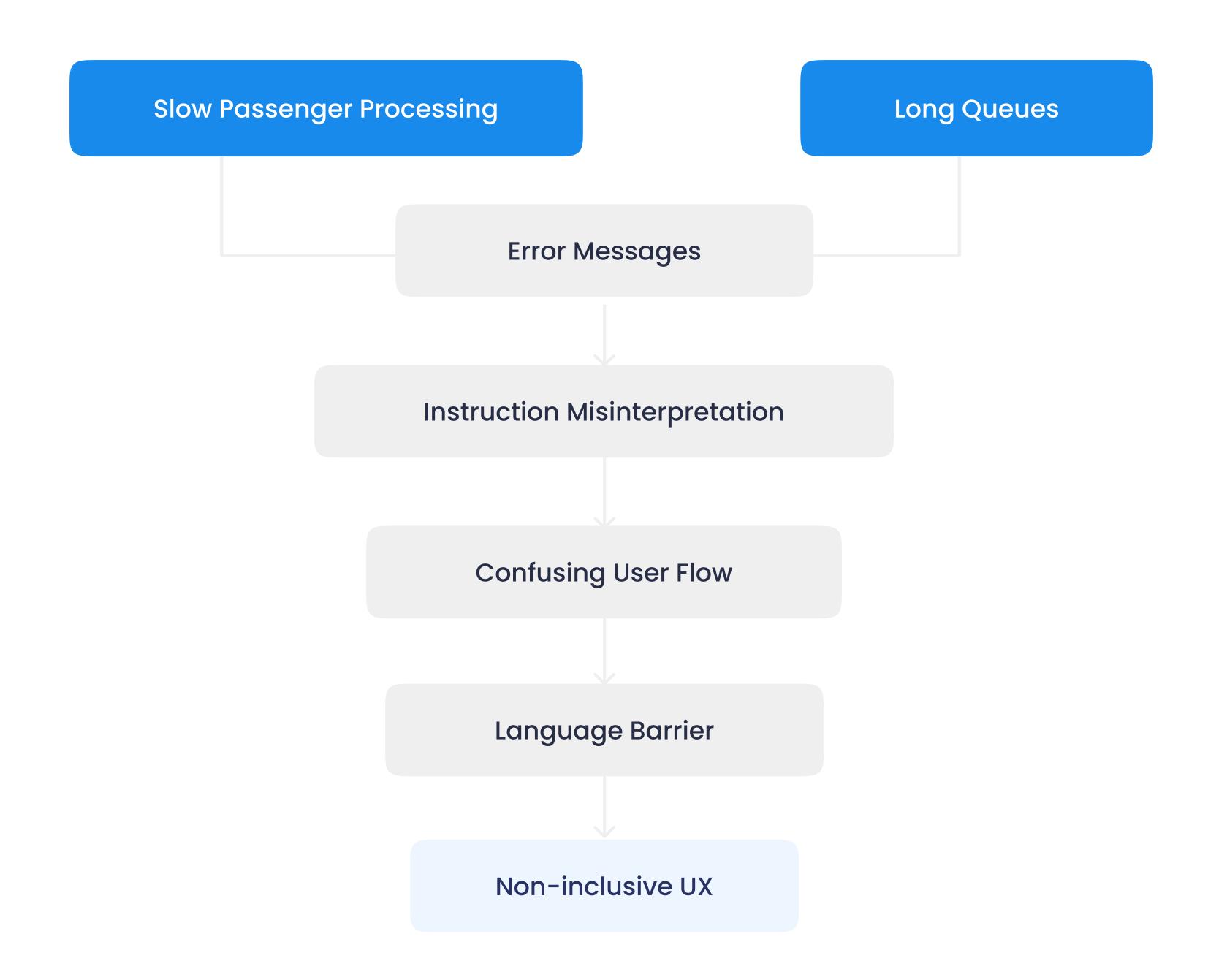
- Digital Keyboard
- Digital Numpad
- Screen reader / voice-over

lot Important

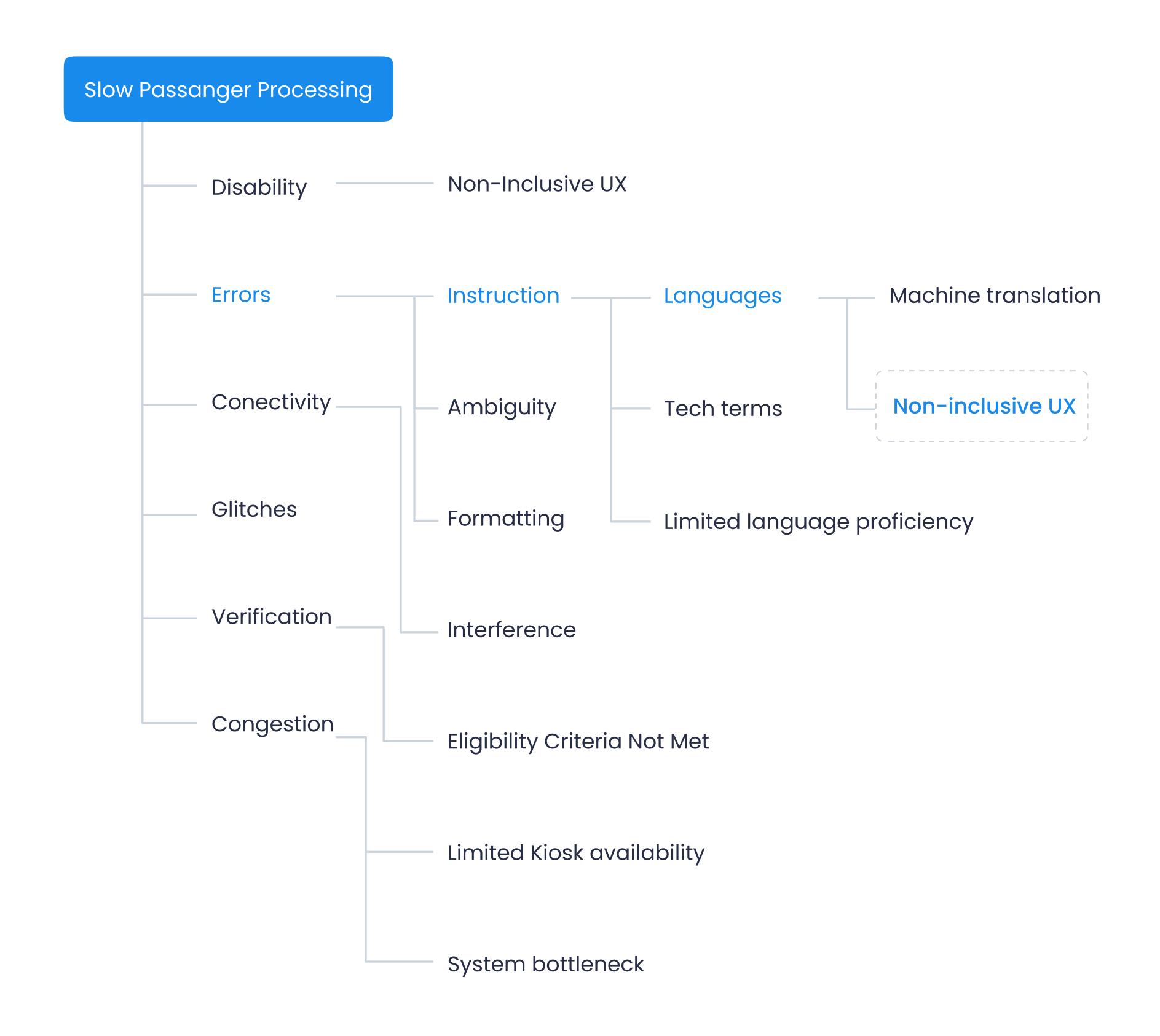
Calendar Picker

 Videos instead of animations as alternative

5 Why Analysis

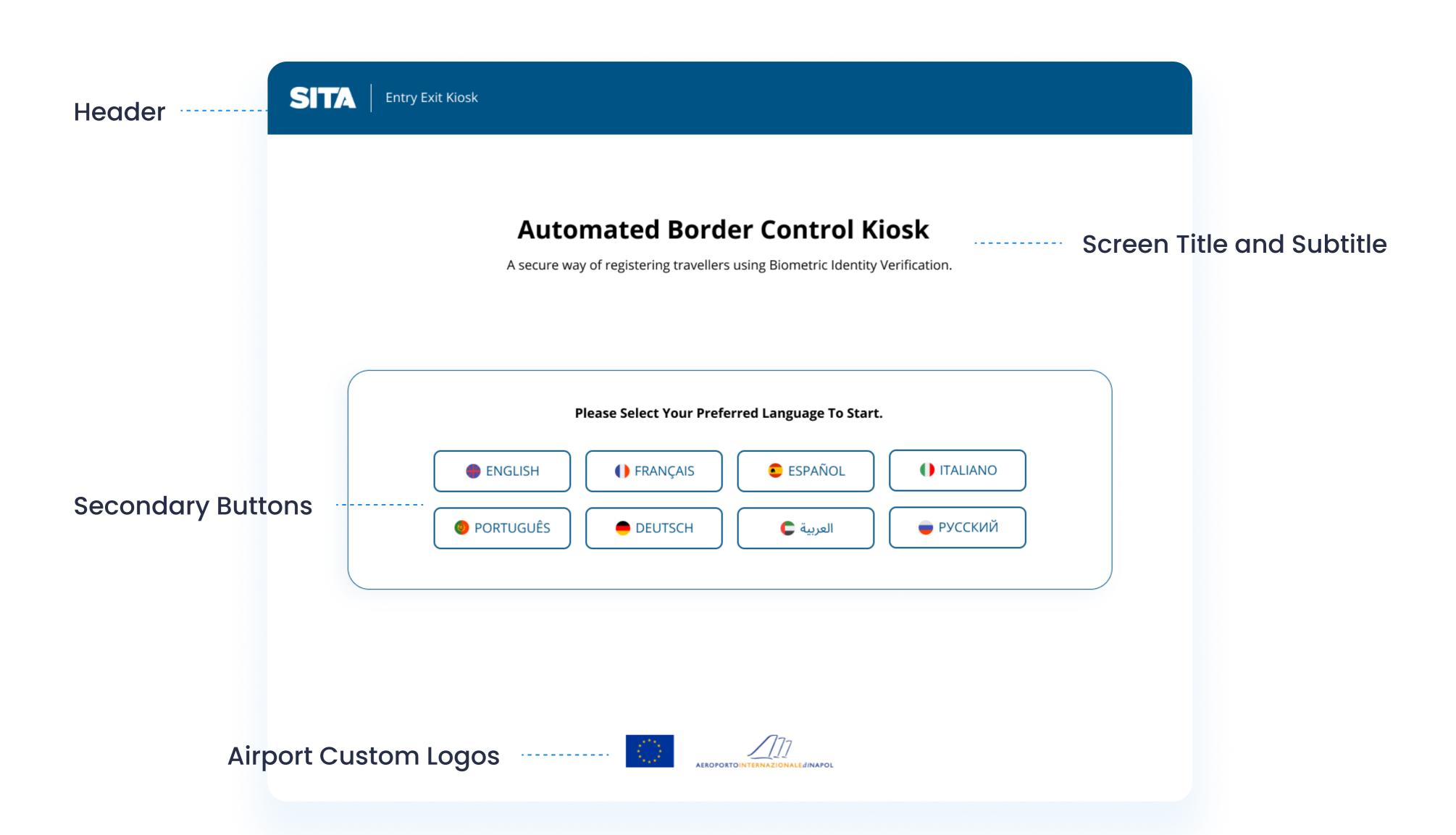


Root Cause Analysis (RCA)

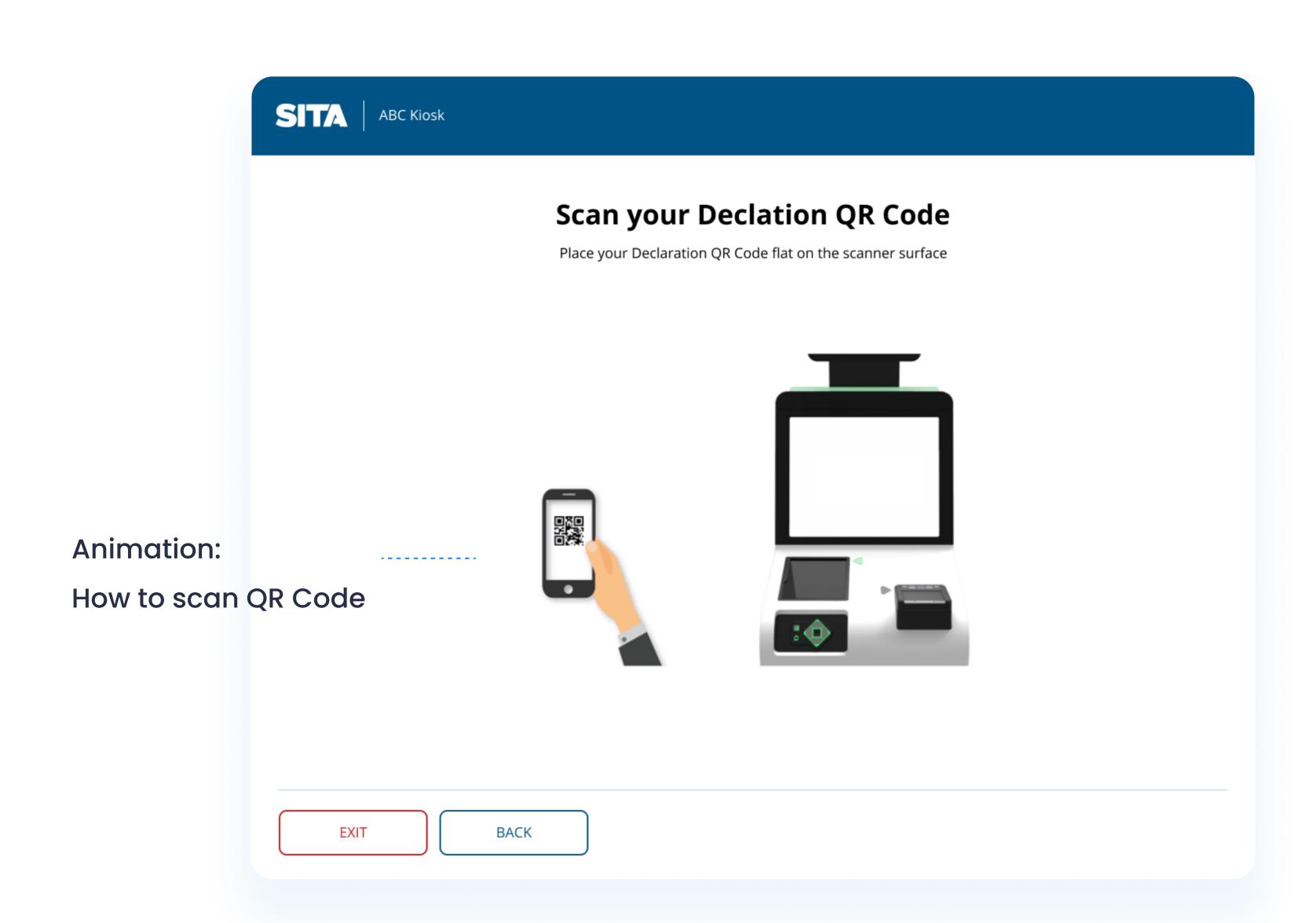


Major Screens

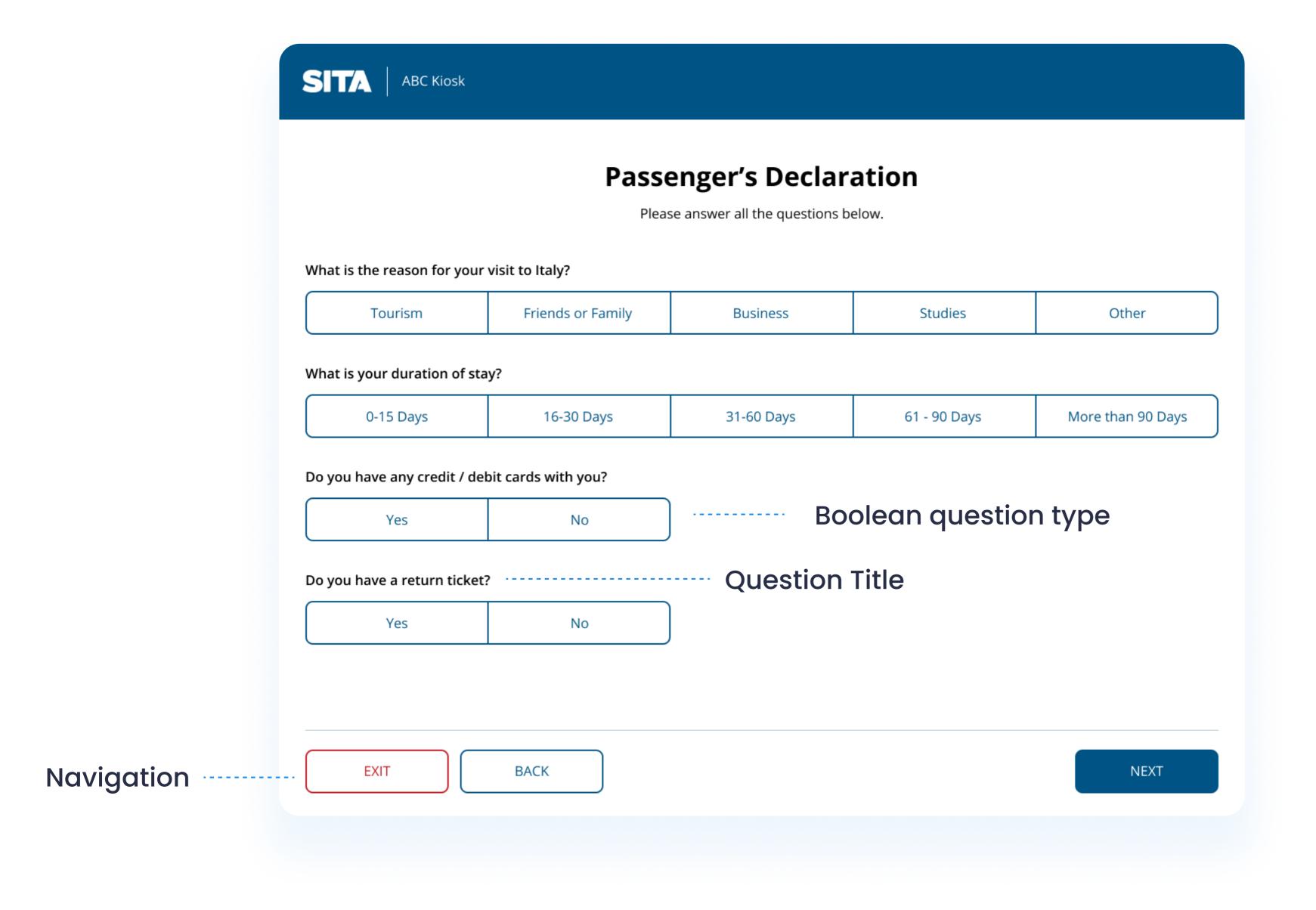
Language Selection Screen



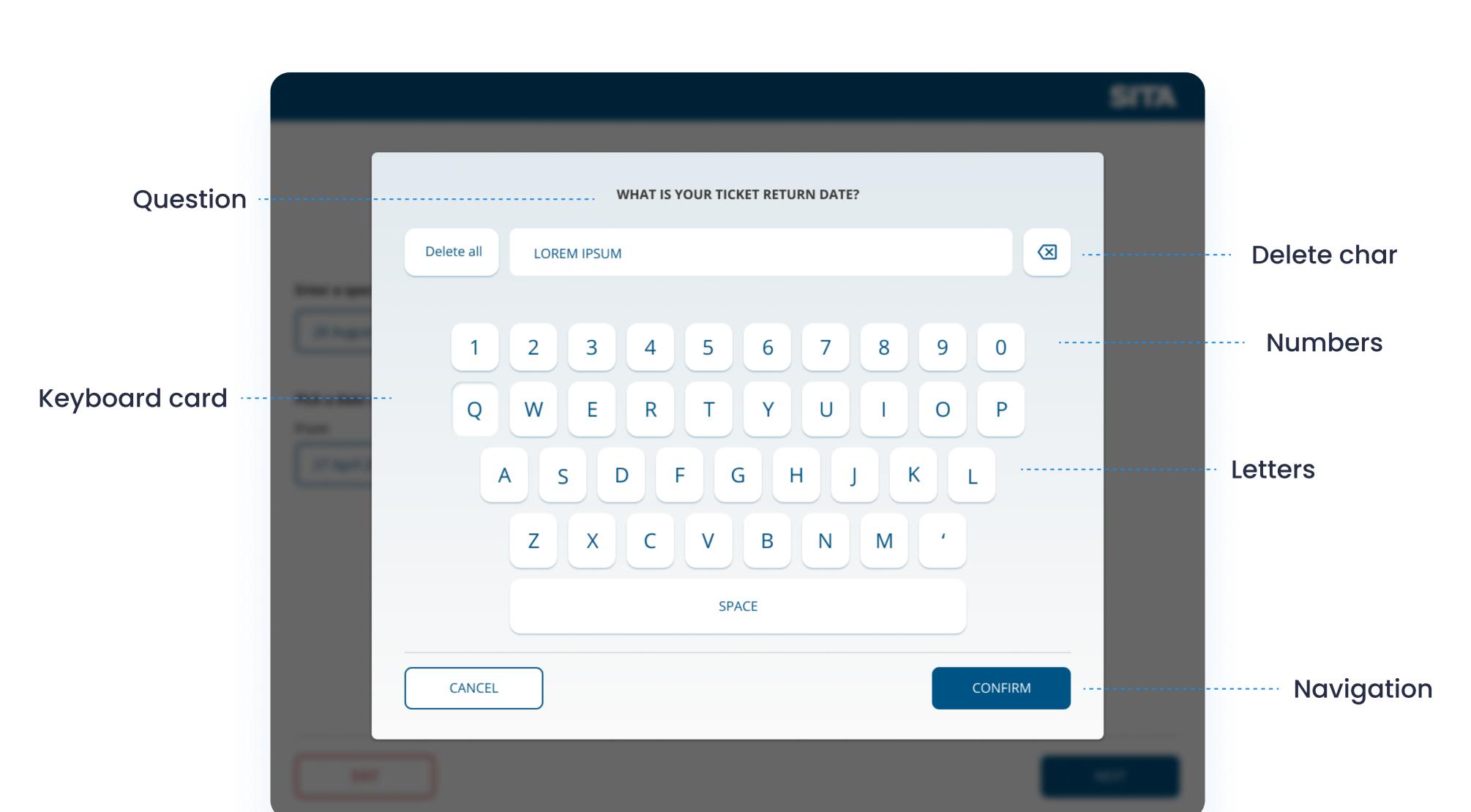
QR Code Screen



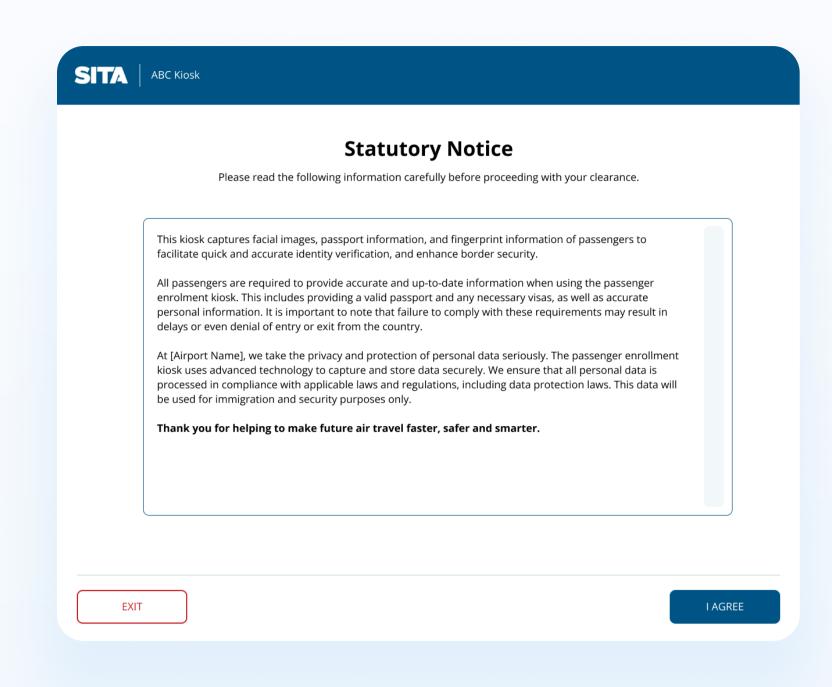
Declaration Screen



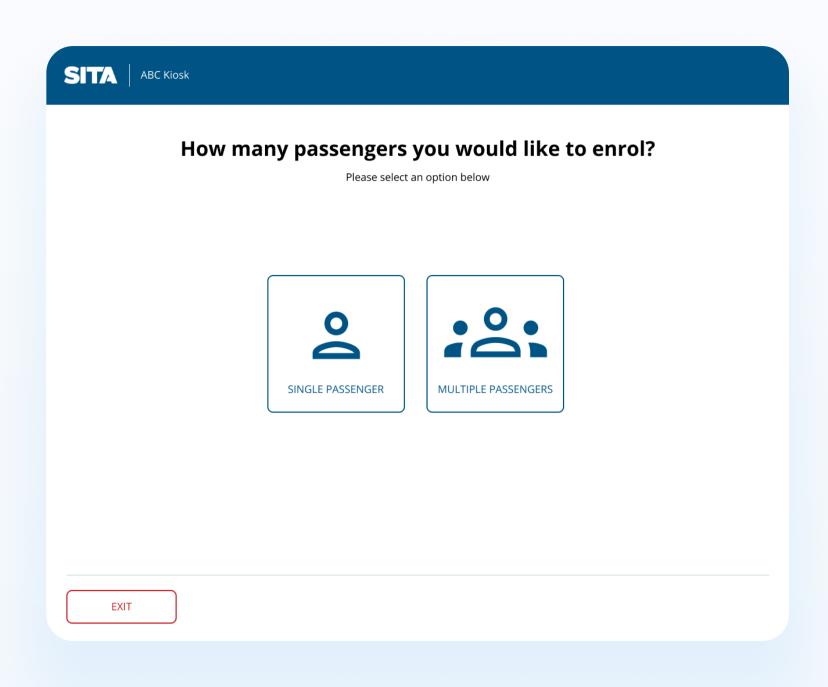
Keyboard Screen



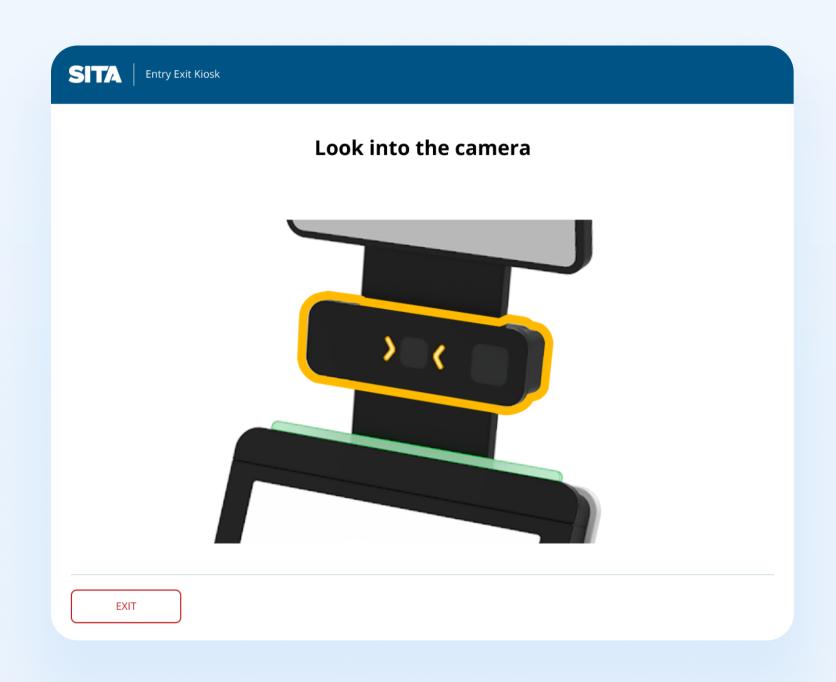
Screens



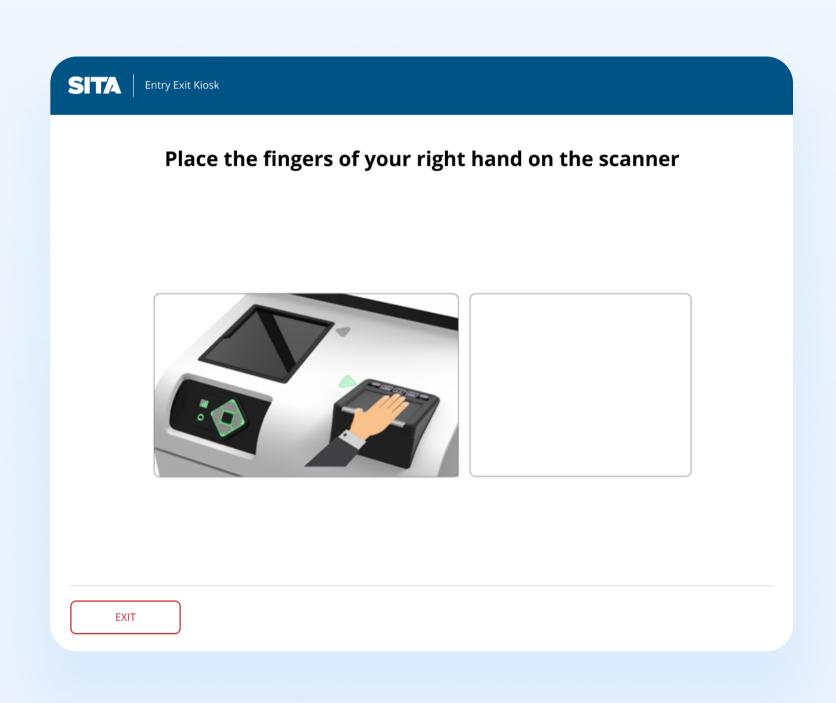
Statutory Notice



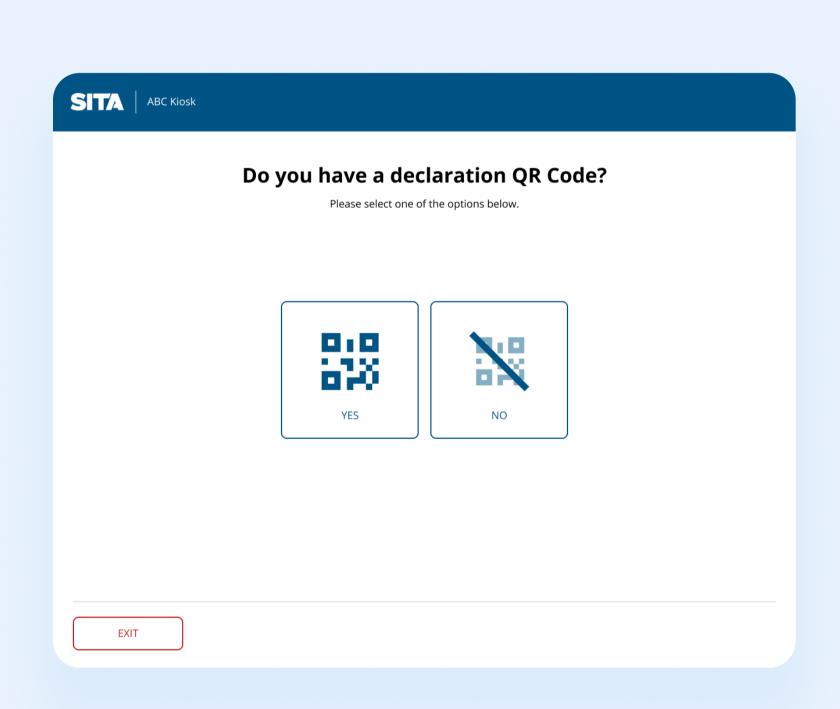
Number of Passangers



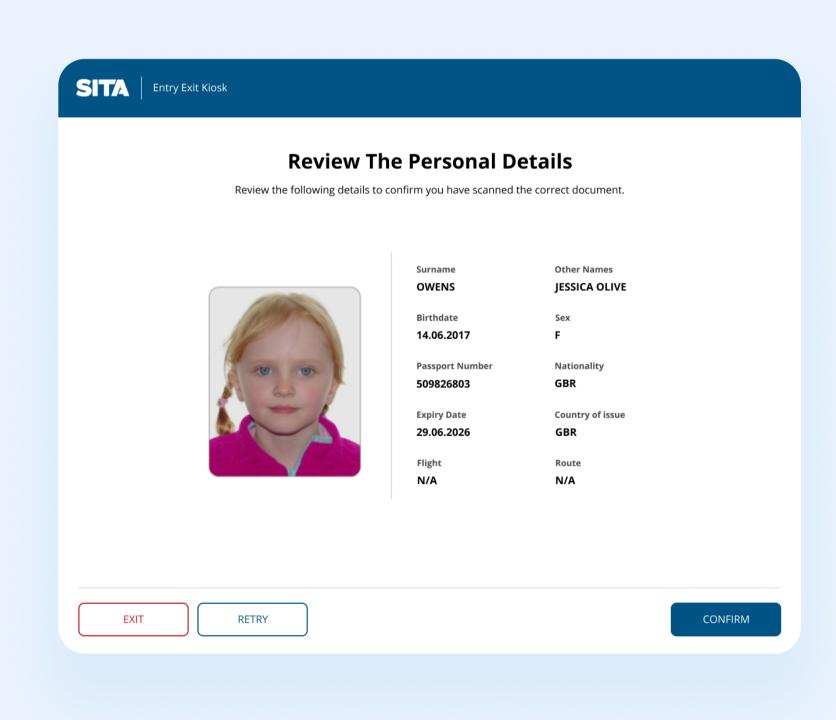
Face Capturing



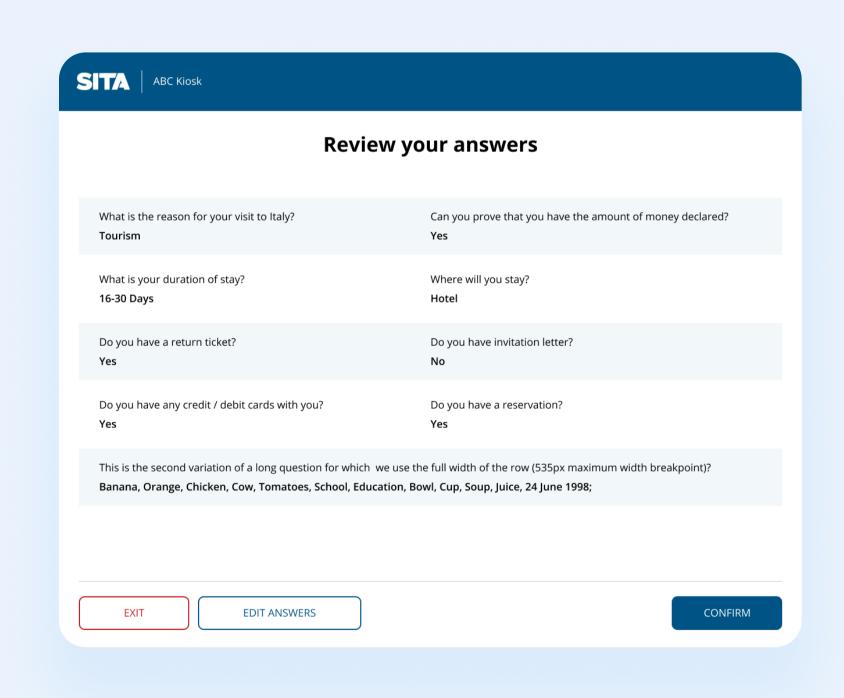
Fingerprints Capturing



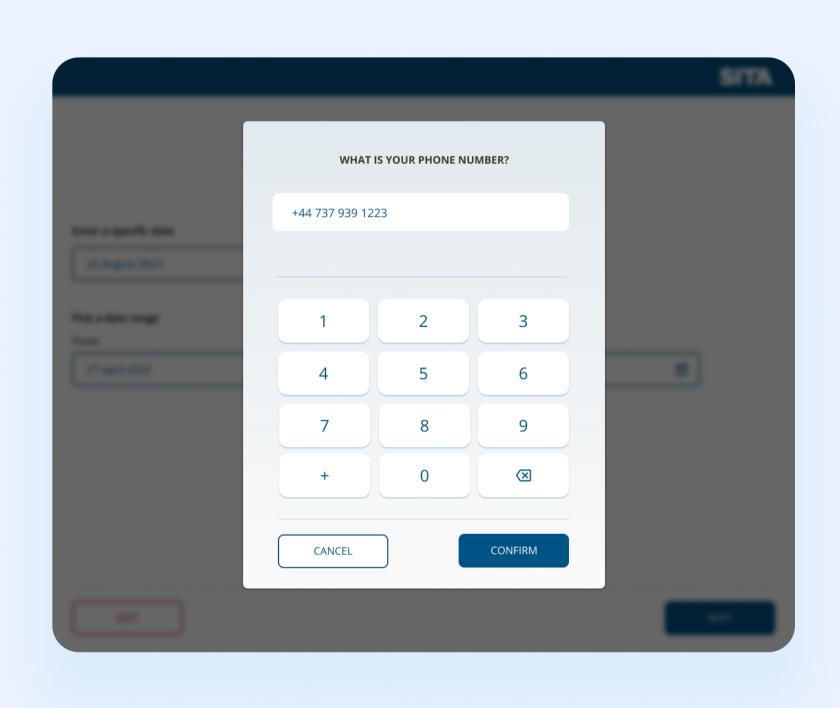
QR Code Question



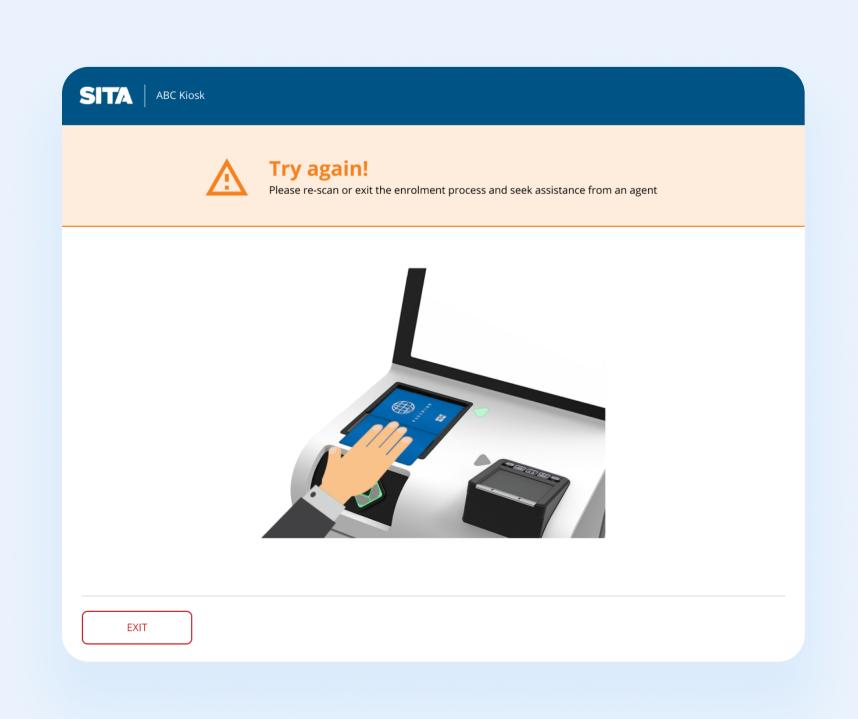
Passenger Details



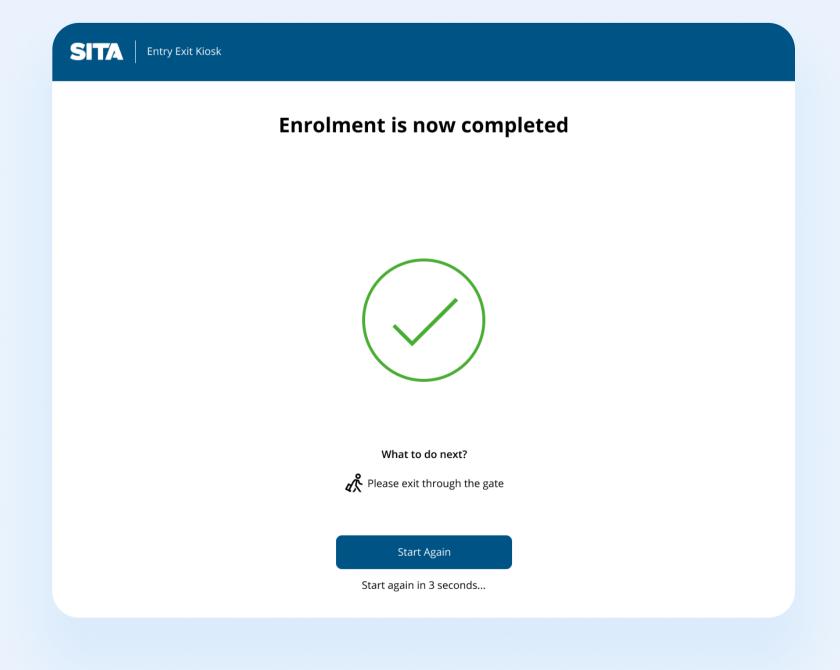
Declaration Summary



Numpad Keyboard Pop-up



Error Handling



Successful Flow End

Thank You For Reading