Project Name

Project specifications document

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Stakeholders

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Project Description

ProjectName is a service marketplace application to help people move from point A to point B.

Glossary

Term	Definition
Guest	User of the app who is not logged into system, their account is not fully created yet.
Rider	User of the app who is logged into system as a "Rider". He is able to use the app to order a vehicle for a ride.
Driver	User of the app who is logged into system as a "Driver". He is able to use the app to work as a driver and interact with passengers via the application.
…	…

Requirements

Functional Requirements

1. Offline mode is not supported for website. User can not use website if there is no internet connection
2. Mobile App should have some function in an offline situation, see details below (in the User Stories).

Non Functional Requirements

1. Localization: English, Arabic, Italian. The default language is English.
2. Mobile app must support portrait mode only;
3. Application uses only standard animations: transitions between screens, progress bars, etc.
4. Application supports native fonts only

Technical Requirements

1. Cross-browser / platform support (latest versions of Firefox, Chrome - PC, Safari - only Mac; tablet and phone support);
2. Responsive design;
3. Mobile support (iOS, Android).
4. Supported Android versions: 5.0 – 9.0.
5. Supported Android devices:
6. Supported iOS versions: 12.0 - 13.3
7. Supported iOS devices: iPhone 7, 7+, 8, 8+, X

Technology Stack

Web: backend

Language	C#
IDE	Visual Studio 2019
Framework	.Net Core 3.1
Database	MsSQL
API documentation	Swagger
Infrastructure	AWS

Web: frontend

Language	TypeScript 2.7+
IDE	WebStorm 2018.1.5, Visual Studio Code
Framework	Angular 7+

3rd party services

Files storage	Amazon S3
Emails	Amazon SES (Simple Email Service)
SMS	Twillio

Business/ General rules

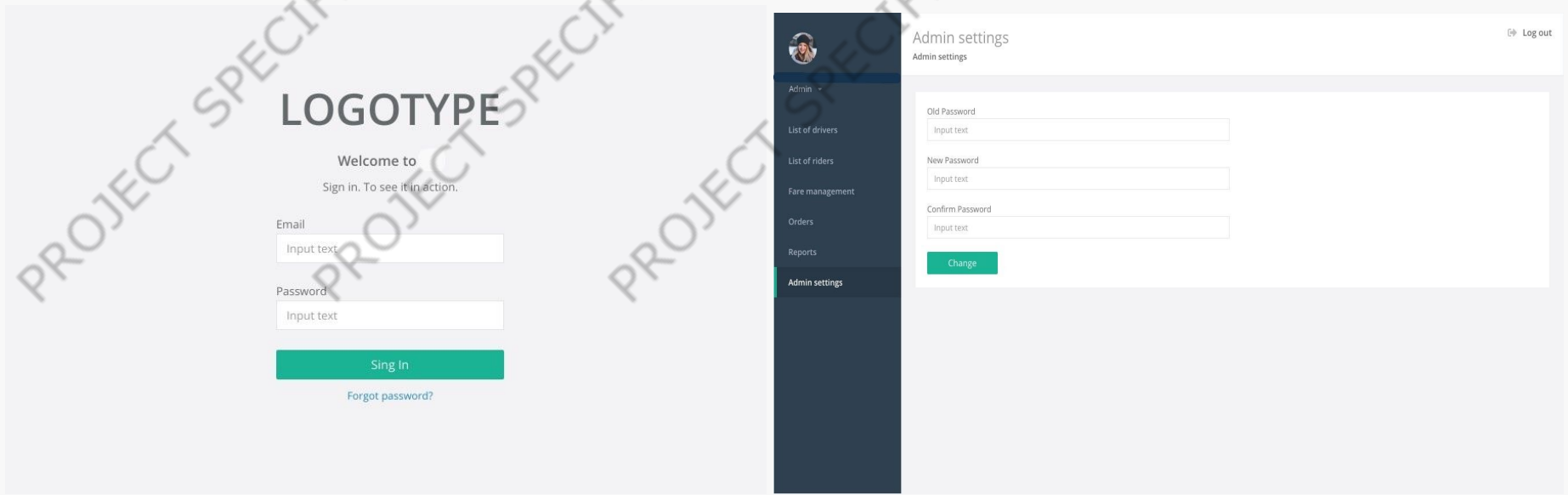| Case name	Descriptions
Request logic - how should Drivers see new requests	List of search criteria: - Drivers which are currently Online (subscription status = "paid"); - Drivers which are currently within 2 miles from the Start destination point; Once we have these Drivers, the one with the highest rate should receive a request. And he has 15 sec to confirm/ decline: - If he taps yes - they start a Ride and the search is completed, - If he taps Decline or no actions for 15 seconds, the next Driver by rate should receive a request, and ... ...
Ride statuses	1. New Ride request - Rider has just created a request, Driver can see those requests; 2. Accepted - Driver has accepted a Ride request and moving to pick up location; 3. Waiting to start - Driver has moved to pick up location... ...
Profile statuses	Here we can call bot rider and driver as a User because the behaviour will be the same Users can get 2 profile statuses: 1. Active - user can use the app with all available functionality 2. Blocked - user cant use an app because admin has blocked him

	Only admin can change ...	
		...
...		...

The navigation Map - Link

Clickable prototypes Project Name App - Link

Clickable prototypes Admin Panel - [Link](#)

User Stories

User role

01. Selecting a role			
User story	Precondition/ Description	Acceptance criteria	Validation/ Errors
01. As a User, I want to have a splash screen so that I will be able to see the branded logo when I launch the app <link to wireframe>	Preconditions: - User launches the app. Descriptions: User should see a logo as a splash screen. After a few seconds, User should be navigated to the... ...	User can see an splash screen with logo	
02. As a User, I should be able to select a role in the app <link to wireframe>	Preconditions: - User must be logged out. In this screen user will see 2 options: - Continue as a "Rider" - Continue as a "Driver" ...	User should be able to select Rider/ Driver role	
...	...	...	...

Rider role

01. Authorization			
User story	Precondition/ Description	Acceptance criteria	Validation/ Errors

01. As a Rider I want to have a Sign in screen so that i will be able to see authorization options \<link to wireframe\>	Preconditions: - User launches an app - User has selected a Rider role; Description: Sign in screen should consists of: - A back button to remove to the previous screen; - An option to select … …	- When user select a Rider Role, a Sign in screen should appear	
02. As a Rider i want to Sign in so that i will be able to use an app \<link to wireframe\>	Preconditions: - Rider is on the Sign in screen; Descriptions: Rider should select country code, enter the phone … …	- The USA should be a default country code - When Rider enters a valid phone number and taps on Sign in button - the verification code should be sent to… …	Phone number - standard validation rules; Verification code - 4 digits;
03. As a Rider i want to Enter a verification code so that my phone number becomes verified and i can start using an app \<link to wireframe\>	Preconditions: - Rider enters a phone number and taps on Sign in button; - Verification code should be send to specific phone number as a SMS; Descriptions: Enter verification code screen should consist of: - Back button to navigate to the previous screen; - A field to enter … …	1. Rider can tap on the back button - they should navigate to the previous screen, no data should be prefilled there; 2. Rider can tap on "Next" button. - If such Ruder exists - they should navigate to the Home page. - If it's a new Rider, they should be navigated to the "Enter… …	Errors: - a field is empty, - wrong code; Code should be valid for 1 min;
…	…	…	…
03. Home page			
01. As a Rider i want to grant access to my location to the system so that i will be able to use an app properly \<link to wireframe\>	Preconditions: - New Rider just logs into the app; Descriptions: After the first login Rider should see a pop up: Grant access to… …	1. System should check, if user does not grant access to their location - an appropriate pop up should show up;	
…	…	…	…
N. …			
…	…	…	…

Global Validations

Name	Type	Validation	Errors
		Registration Data	
Email Address	Input	Unique for registration; Contains: {local_part}@{domain_part}; Local_part - 64 symbols, Domain part - 64 symbols; Max length 129 symbols.	is required; is not in valid format; user with such email already exists
Phone number	Input	Unique for registration, must be stored in an international format E.164; Must be displayed in locale-specific format: +<country code>-<cellular operator code>-<number>, +33 only should be available - France	is required; is not valid
...	...	...	...
		Private Information	
First name	Input	From 1 to 50 symbols, can contain any symbols, can't contain spaces only (51st symbol won't be typed)	must be from 1 to 50 symbols and cannot contain spaces only, is required
...	...	...	...
		...	
...	...	...	...

Modification History

Version	Date	Requested By	Updated By	Change History
1.0	20xx/xx/xx	<First & Last Name>	<First & Last Name>	Initial version - <link to the document>