

AR decision support Architecture Document

V1.1

Prepared for ICT group

Created by [Borislav Gramatikov]

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Contributors

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Revision History

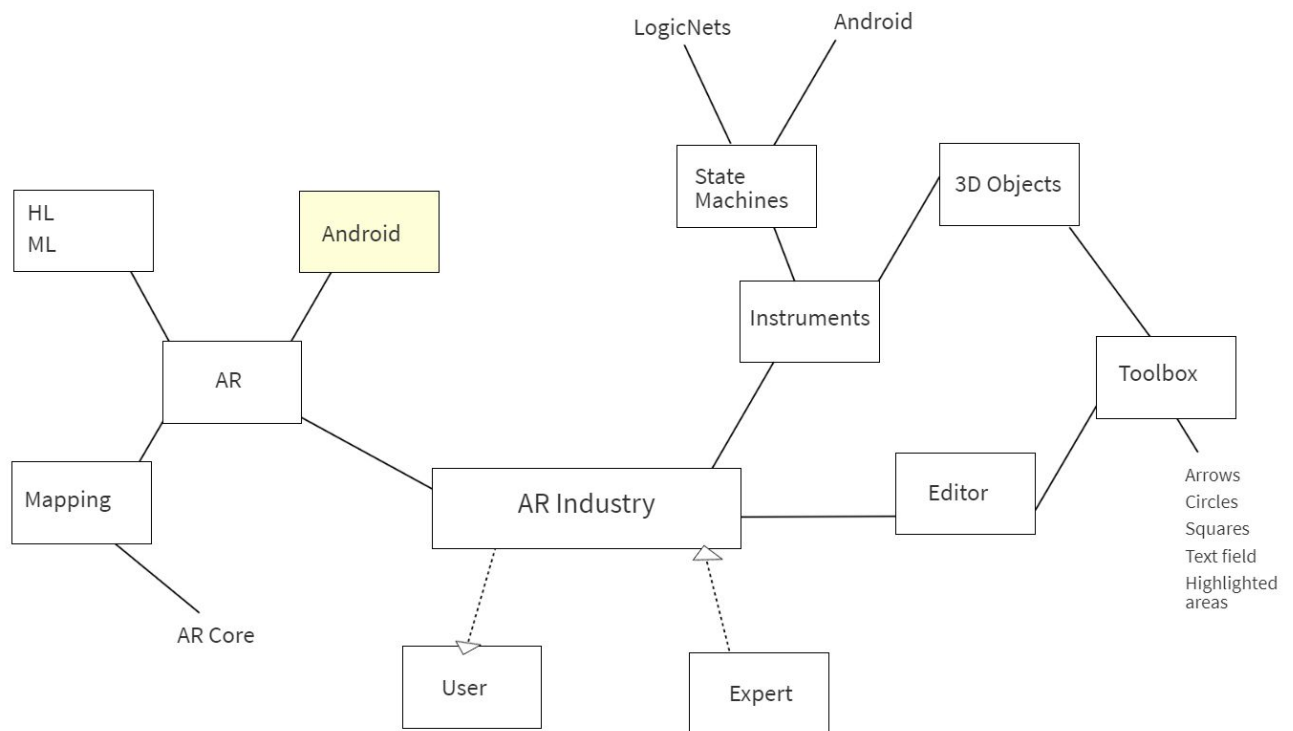
Version	Date	Name	Description
v1.0	09/Aug/2019	Samer Boules	<ol style="list-style-type: none">1. Add Overview section2. Add AR platform options3. Add feature list4. Add function blocks
v1.1	16/Sept/2019	Borislav Gramatikov	

Overviewengi

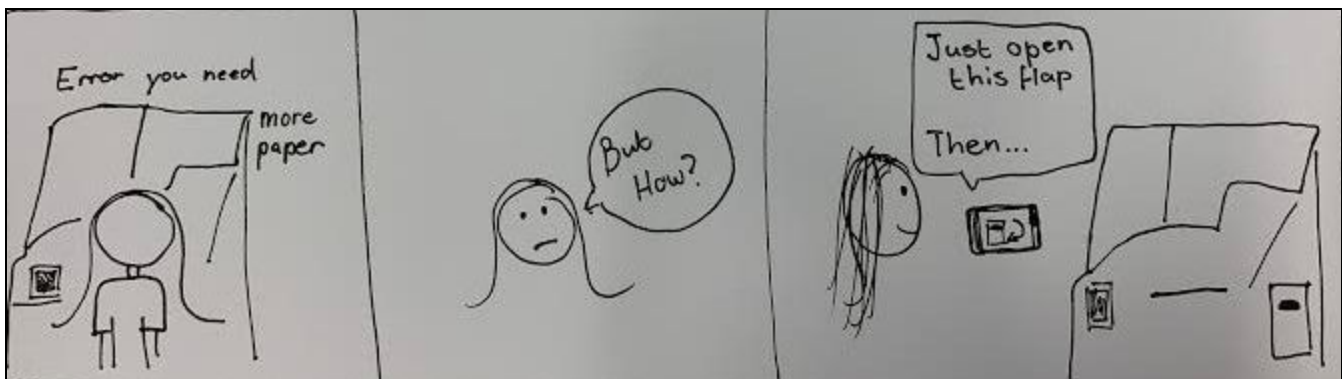
Project goal

The goal is to create an app where a user can create their own workflow or process which in return will be able to be used by others. The function of the app can also be defined as an AR representation of an algorithm, a step-by-step approach to solving a task.

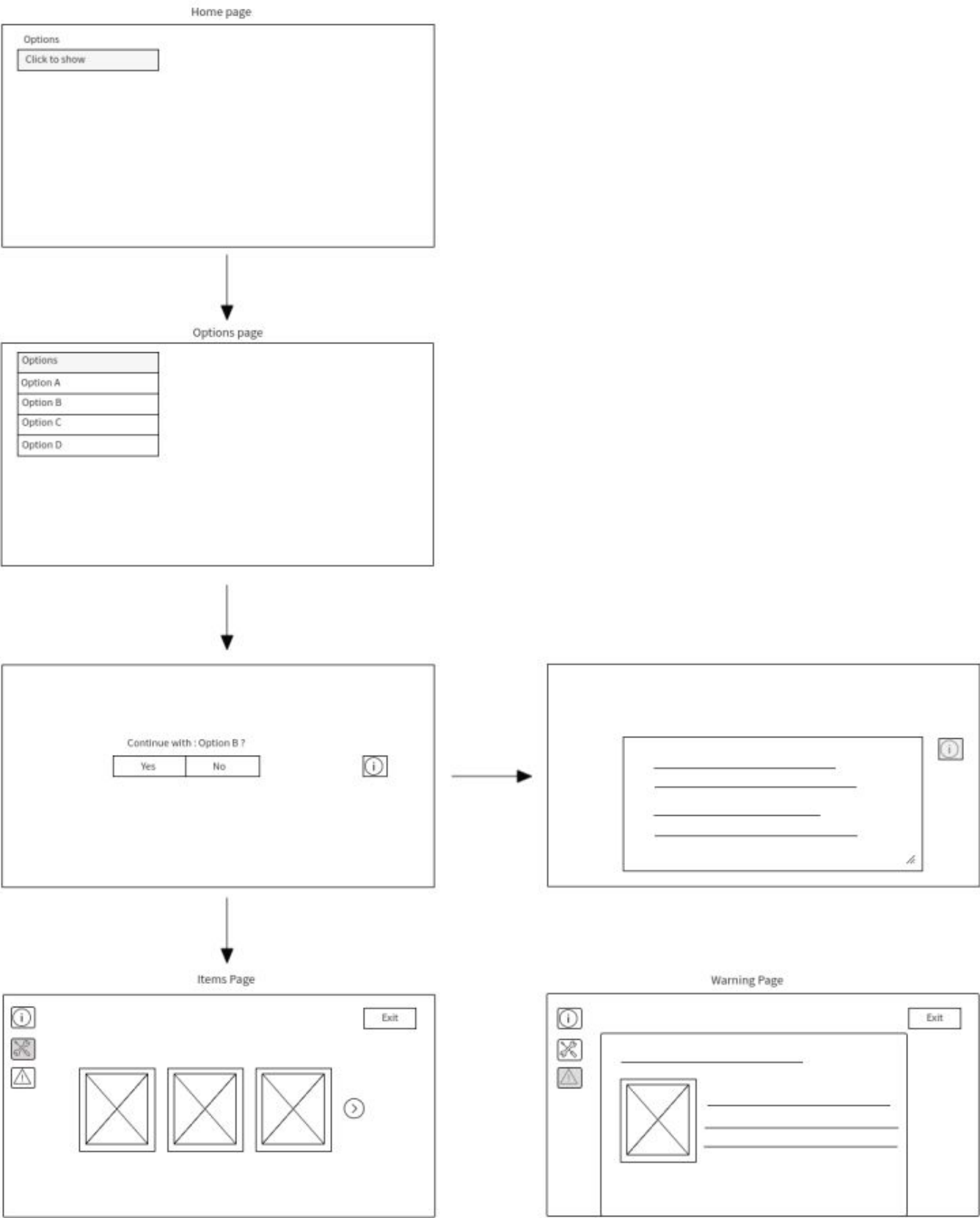
Schematic



Storyboards



Wireframes





General information

Chosen wireframe tool for this project: Mock flow.

Website: <https://www.mockflow.com>

Wireframe guideline

Home page

From here the user is able to show the options page.

Information page

When the information button is clicked. There will be a popup showing general information about what is being presented on the screen.

Options page

When in the options page we can see what instruction sets are available to use at this location and point at time.

Items page

Shows what items are needed to complete the instruction set

Warning page

Shows what the dangers of the operation could lead to or for which steps to be careful with when completing them.

Use-cases

Use-Case Specifications

*Use-Case Specification: 1 - **The instructor creates an account***

Use Case	1 & The instructor creates an account	By	Chris & 10/10/2016
Timeframe	usually once, approx. 2 minutes.	Relevance	High
Actors	Instructor		
Description	In order to provide more personalized dialogs and create challenges in the system, the user is requested to provide a few personal details. These details are stored in an account.		
Pre-conditions	1 No account has been created before	Post-conditions	1 An account has been created and stored
Scenario	<ol style="list-style-type: none">1. The instructor initiates the account creation2. The instructor provides role, school, username, email, password3. The instructor confirms the creation		
Variations	3.1 The instructor changes the personal details before confirmation		
Requirements	<ol style="list-style-type: none">1. Internet connection2. User response. The system shall respond to any user input within 0.01 seconds.3. Update user data The system should update user data within 0.01 seconds4. User Errors. The system shall catch improper input from all text fields in the system.5. A user shall only have access to functionality that is allowed to them at a given time		
Notes	All account elements are optional and not validated		

SDK information

General information

Chosen SDK for this project: AR Core .

Link to research document :

https://docs.google.com/document/d/1o8Gv1lbqm-TNfSLIFc_E9CSfIWNYAKbhKFDHx8c2I34/edit#