\ /								
ν	\cap	11	r	n	2	m	Δ	•
	U	u			а			•

Welcome to the beginning of Activity 2

Indicate the time right now (hh:mm):

GREatBus Project

GREatBus proposes an intelligent system for passengers and bus drivers. Overall, the project aims to facilitate bus-related tasks. For the driver it is important for example to know if the people who are at the stop will take the bus. For the passenger it is important to know estimates, bus capacity, among others.

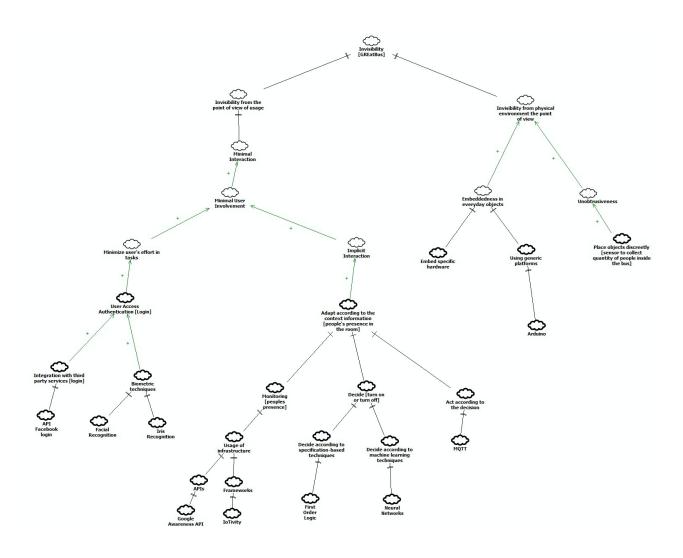
The **functional requirements** of this application are:

- The system must be able to receive or request information about the number of bus requests per stop
- The system shall be able to calculate the estimated bus arrival time based on the distance from the bus to the user and the speed of the vehicle
- The system must be able to inform the capacity of the bus
- The system must be able to indicate that at that location there is a passenger requesting the bus.

The non-functional requirements of this application are:

- Invisibility: refers to merging technology into the user's physical environment or decreasing the interaction workload
- Privacy: the state or condition of being free to be observed or disturbed
- Accessibility: the degree to which a product or system can be used by people with the
 widest range of features and capabilities to achieve a specified goal in a specified
 context of use

Invisibility for GREatBus.



Description of Operationalizing Softgoals

Definition
API that allows authentication with Facebook data
Technique to identify the user based on their face
Technique to identify the user based on their iris
Unify 7 location and context signals in a single API,
allowing developers to create context-based
functionality with minimal impact on system resources.
Open source framework that enables device to device
connectivity to meet emerging IoT needs
Mathematical logic used to specify system states and
operators / functions to apply to those states. They
provide reasoning support to identify complex contexts
and situations
Technique that presents a mathematical model inspired
by the neural structure of intelligent organisms that gain
knowledge through experience
Machine-to-machine (M2M) / "IoT" connectivity
protocol. Designed as a publish/subscribe message
transport
Acting and sensing specific embedded hardware on
objects
Open source electronic platform based on hardware and
software
If hardware devices cannot be fully hidden, they must be
discreetly placed in the physical area. Therefore, places
where the user does not need to perform actions such as
wall and roof corners are ideal

Task 1: For each operationalizing softgoal in the last SIG level, check if there is a positive or negative impact to Privacy and Accessibility. After that, make an analysis of which operationalizing softgoal maximize the positive impacts and minimize the negative impacts for all the NFRs mentioned above. You can use this space below as a draft for your analysis.

Correlation Catalog

Strategy	Type	Quality Characteristic
Facebook Log-in	HELPS	Efficiency
Facebook Log-in	HURTS	Privacy
Facebook Log-in	HURTS	Security / Confidentiality
Facial Recognition	HELPS	Usability / Accessibility
Facial Recognition	HURTS	Functional Suitability / Functional Correctness
Facial Recognition	HURTS	Privacy
Facial Recognition	HURTS	Performance Efficiency / Time Behavior
Facial Recognition	HURTS	Efficiency
Facial Recognition	HURTS	Security / Authenticity
Iris Recognition	HELPS	Security
Iris Recognition	HELPS	Usability/Accessibility
Iris Recognition	HURTS	Performance Efficiency / Time Behavior
Iris Recognition	HURTS	Efficiency
Awareness	HELPS	Functional Suitability
Awareness	HURTS	Privacy
IoTivity	HELPS	Functional Suitability
First order logic	HURTS	Performance Efficiency
Neural Network	HELPS	Efficiency
Neural Network	HELPS	Performance Efficiency
Neural Network	HELPS	Context Coverage / Flexibility
Neural Network	HURTS	Usability / Learnability
MQTT	HELPS	Performance Efficiency
Embedded hardware	HELPS	Reliability
Place objets discret	HELPS	Satisfaction
Place objets discret	HURTS	Usability / Operability
Arduino	HURTS	Reliability
Arduino	HURTS	Performance efficiency / capacity

Task 2: Based on the analysis made above, specify below which operationalizing softgoals you would choose for the	
GREatBus project.	
	_
	_
	_
	_
	_
	_
	_
	_

End of Activity 2

Indicate the time right now (hh:mm):

8

Post Task Form

Strongly disagree	Partially	I do not agree nor	Partially agree	I totally agree
Strongly disagree	disagree	disagree	Tartially agree	I totally agree
	uisagice	disagree		
I identified the i	mpacts <i>quickl</i>	у		
Strongly disagree	Partially	I do not agree nor	Partially agree	I totally agree
	disagree	disagree		
		perationalizing softgoa	ls easily	
Strongly disagree	Partially	I do not agree nor	Partially agree	I totally agree
	disagree	disagree		
		perationalizing softgoa		
Strongly disagree	Partially	I do not agree nor	Partially agree	I totally agree
	disagree	disagree		
	-	ling the operationalizir use)? If not, how did y		e previous activi
what decision cr	iteria did you	use)? If not, how did y	ou decide? n easier.	
what decision cr	atalog / docu	use)? If not, how did y ment made my decisio I do not agree nor	ou decide?	e previous activi
what decision cr	iteria did you	use)? If not, how did y	ou decide? n easier.	
What decision cr	atalog / docu	use)? If not, how did y ment made my decisio I do not agree nor	ou decide? n easier.	
what decision cr	atalog / docu	use)? If not, how did y ment made my decisio I do not agree nor	ou decide? n easier.	
I think that the of Strongly disagree Why?	catalog / docu Partially disagree	ment made my decisio I do not agree nor disagree	ou decide? n easier.	
I think that the of Strongly disagree Why?	catalog / documents of the disagree	ment made my decisio I do not agree nor disagree	n easier. Partially agree	I totally agree
I think that the of Strongly disagree Why?	catalog / docu Partially disagree	ment made my decisio I do not agree nor disagree	ou decide? n easier.	
I think that the of Strongly disagree Why?	e usage of the	ment made my decisio I do not agree nor disagree catalog. I do not agree nor	n easier. Partially agree	I totally agree
I think that the of Strongly disagree Why?	e usage of the	ment made my decisio I do not agree nor disagree catalog. I do not agree nor	n easier. Partially agree	I totally agree