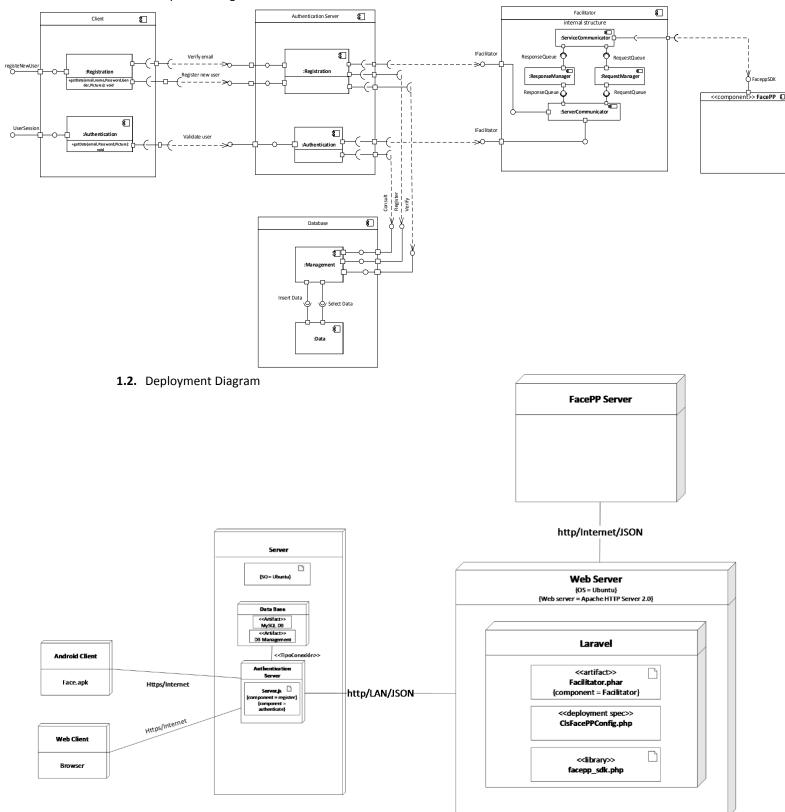
DSD PROCESS WORK PRODUCTS

Deliverable 2
MILENA RESTREPO ANDRES CORREA JHON ARENAS

1. Software Design

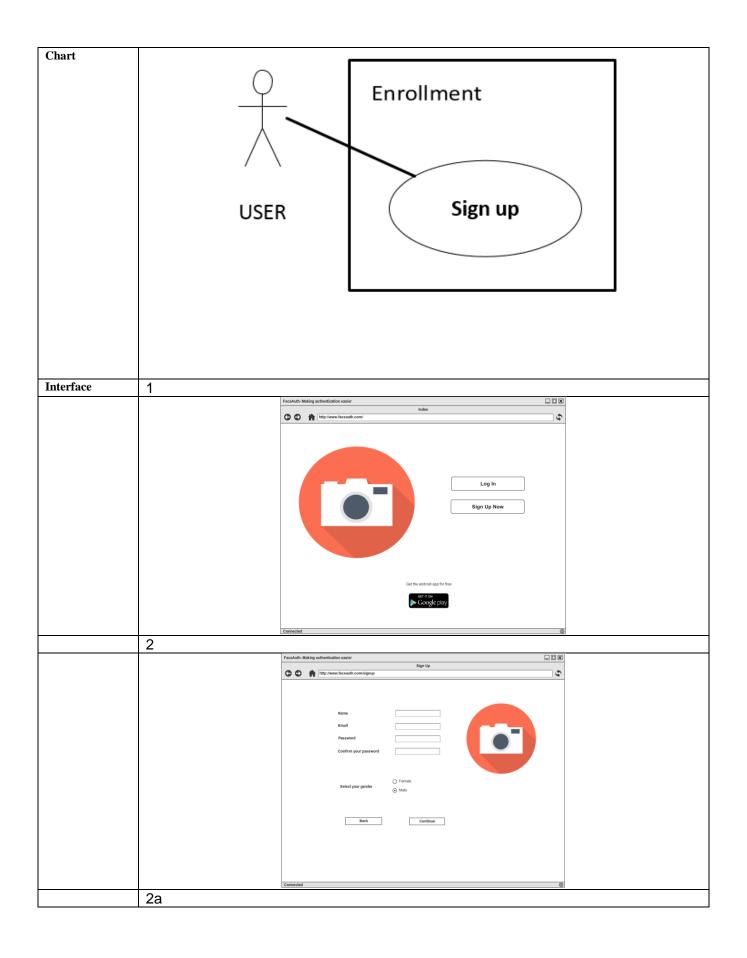
1.1. Component Diagram

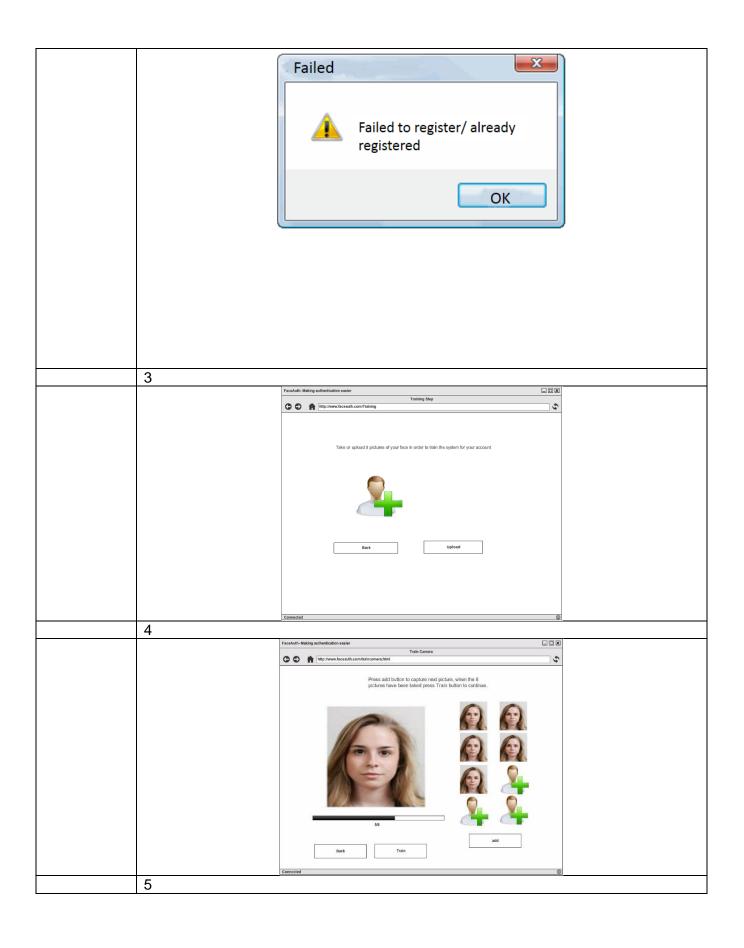


3. Work Products:

3.1. User Cases

Use Case	UC01 Register User				
Version	1.0.0 F	Techa	15/03/2016		
Author	Milena Restrepo, Andres Correa, Jhon Arenas				
Source	DSD Process Work Products				
Purpose	Registering a user				
Goals	G4: Providing the information to train the	web servi	ces to the Facil	3: Confirming that the User hasn't been created. litator. G5: Receiving the information from e. G7: Confirming the creation of the new User to	
Summary	Creates a new User by storing its informati	on and tra	aining the web	services.	
Actors	A0: User				
Precondition	The user doesn't exist				
Interaction Sequence	User		System		
1	Clicks on "Sign Up Now" button	Б	Displays the "si	gn up interface"	
2	Enters the name, e-mail, Password, confirm Confirm your Password, select your gende clicks on "Continue" button		Displays the "training interface"		
3	Click on "Upload" Button.	D	isplays the "ca	amera interface"	
4	Takes or upload 8 pictures clicking in the "Take" button or in the icon "+"	U	pload the prog	gress bar	
5	Clicks on "Train" button to upload the pict		Displays the me result interface	essage "Your account has been created succefully	
Use Case	UC01 Register User	<u> </u>			
Alternative sequence	System			User	
2.a	Displays "Failed to register – already reg	istered"	Click on but	ton "OK" for continue	
5.a	Displays "Failed to register – Invalid pict with the message "# picture are not clear, try again with this picture"	tures" , plese	" Takes or uploads new pictures to complete the 8 pictures		
Duration	Optimum: 3 minutes Average: 8 minut	tes Max	imum: 12 min	utes	
Frecuency	20 times a week				
Type	Primary				
Postconditions	The user has been authenticated				

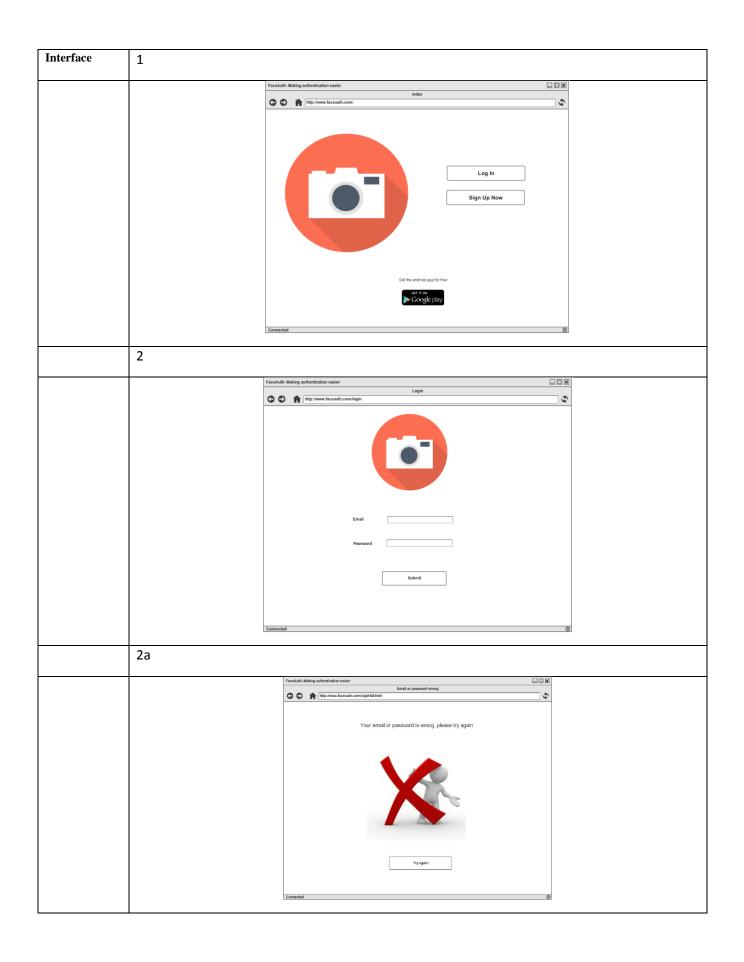


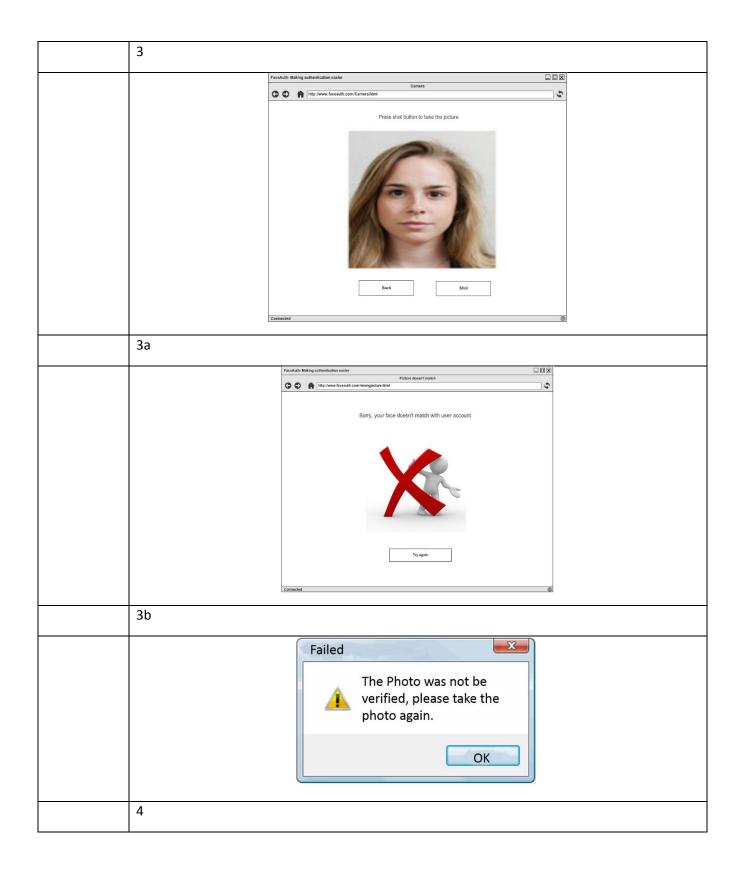


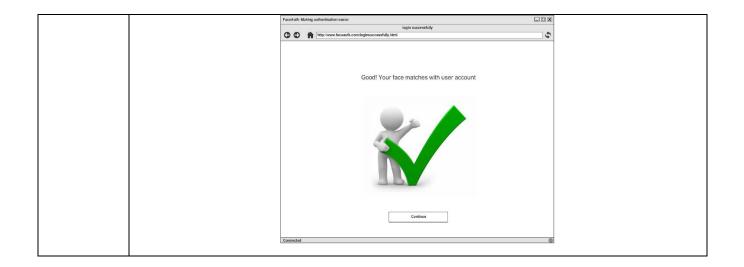


Use Case	UC02 Authenticate User					
Version	1.0.0	Fecha	09/15/2016			
Author	Milena Restrepo, Andres Corre	a, Jhon Arenas				
Source	DSD Process Work Products					
Purpose	Confirming a User's identity					
Goals	G1: Receiving the authentication request from any source. G2: Verifying the existence of the username in the Database. G3: Sending the authentication request information to the Facilitator. G4: Receiving the result response from the Facilitator. G5: Acquire the User's information from Database. G6: Sending the result response and User's information to the device that made the requirement.					
Summary	The system receives an authentication request, verifying the existence of the username in the Database and if it's exists, sends it to the Facilitator and if it's response is positive then acquire the user's information from the Database and sends it to the device that made the request.					
Actors	A0: User					
Precondition	The user has been registered.					

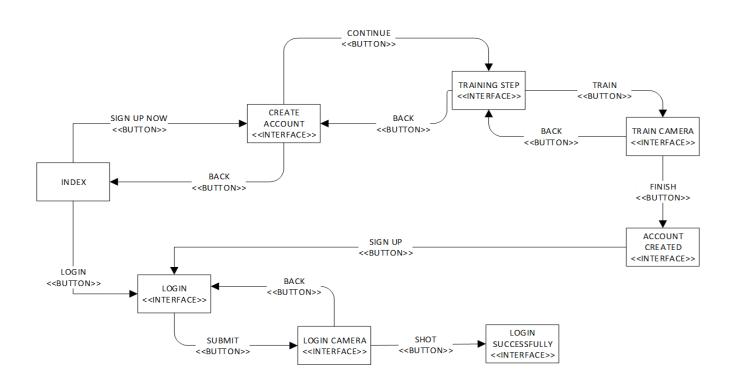
Interaction	User	System
Sequence		
1	Clicks on "Log in"	Displays the "Login interface"
2	Enters the e-mail and the password and clicks on "Submit" button	Displays the "camera interface" to take a picture
3	Takes a picture with the "Shot" button	Receives the image and displays the "result interface" with a success message.
4	Click on "Continue" Button	Continue with the interation with the user with the initial application. Out of the verification face API.
Use Case	UC02 Authenticate User	
Alternative sequence	System	User
2a	Displays "login interface" with an error message: Your email or password is worng, please try again.	Click on Button "Continue"
3a	Displays "result interface" with an error message: Sorry your face doesn't match with the user account.	Click on Button "Continue"
3b	Displays "result interface" with an error message: The Photo was not be verified, please take the photo again.	Click on Button "OK"
Duration	Optimum: 2 minutes Average: 3 minutes Ma	ximum: 5 minutes
Frecuency	20 times a week	
Type	Primary	
Postconditions	The user has been authenticated	
Chart		
		Authentication
	USER	Log in



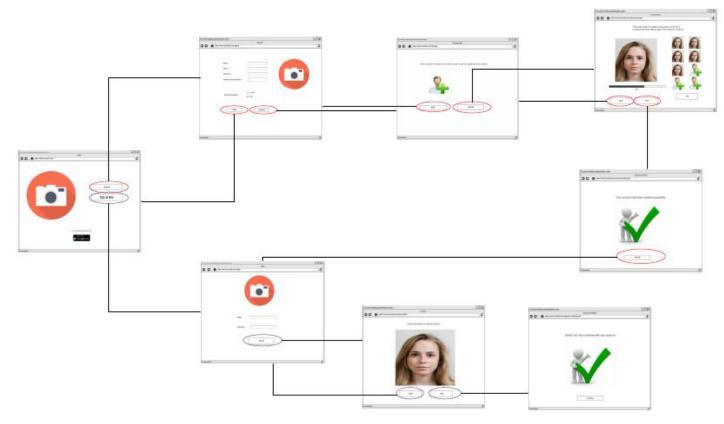




3.2. GUI flow diagram

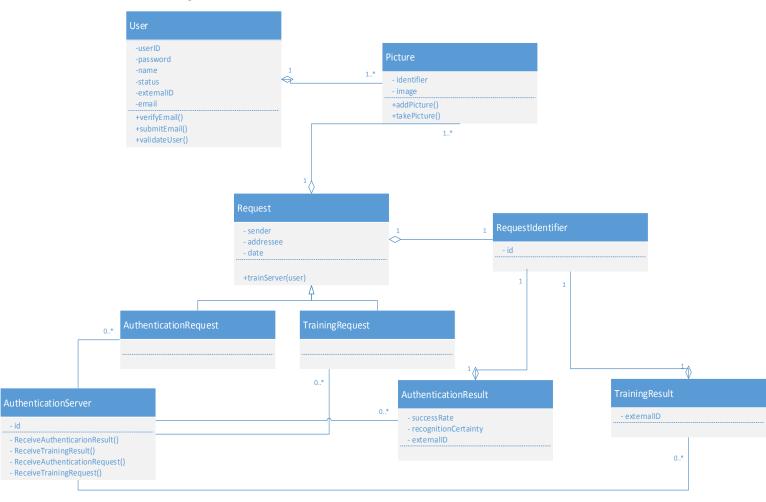


GUI flow diagram



GUI flow diagram Graphi

3.3. Class diagram



OBJETIVES	TO-DO	DOING	DONE	
OBJETIVES	10 00	DOING	Task 1: Read the documents about work purpose provided by the professors and identify the requeriments Responsible: Team	Opportunity Solution Needed Solution identified
			Task 2: Understand the stakeholders requirements and ideas about the software Responsible: Team	□ Stakeholders' needs established Problems and root causes identified □ Need for a solution confirmed □ At least one solution proposed
				2/6
			Task 3: Talk with the professor about the	Stakeholder Recognized
			features of the software requested Responsible: Project Manager and Requirements Analyst	☐ Stakeholder groups identified ☐ Key stakeholder groups represented ☐ Responsibilities defined
			Task 4: Created a Project Plan Responsible: Project Manager	\bigcirc
				1/6
			Task 2: Understand the stakeholders requirements and ideas about the software Responsible: Requirements Analyst and Project Manager	Opportunity Identified Idea behind opportunity identified At least one investing stakeholder interested Other stakeholders identified
				1/6
Stakeholder Represented Responsibilities agreed Representatives authorized Collaboration approach agreed Way of working supported. & respected		Task 5: Have a meeting with the different stakeholder for clarify the requirements. Responsible: Project Manager		
			Task 6: Assing a timeline and feedback in the classroom and meeting. Responsible: Requirements Analyst and Project Manager Task 4: Created a Project Plan Responsible: Project Manager	Stakeholder Involved Representatives assist the team timely feedback and decisions provided Changes promptly communicated
				3/6
			Task 7: Assign teams and roles into the team Responsible: Project Manager	Team Seeded Mission defined Constraints known and defined
			Task 8: Assing the different task to the team members and a project coordinator for each team Responsible: Project Manager	Growth mechanisms in place Composition defined Responsibilities outlined Responsibilities outlined Required commitment level clear Required competencies identified Size determined
			посроново. Појестинанада	Governance rules defined Leadership model selected

	_			
Work			Task 3: Talk with the professor about the features of the software requested	
Initiated			Responsible: Project Manager and Requirements Analyst	
☐ Required result clear ☐ Constraints clear				
□ Funding stakeholders known □ Initiator identified □ Accepting stakeholders known		Task 5: Have a meeting with the different stakeholders for clarify questions		
Source of funding clear Priority clear		Responsible: Project Manager		
			Task 2: Understand the stakeholders requirements and ideas about the software	
1/6			Responsible: Team	
			Task 9: Have a meeting with all the project coordination to establish the communication way and tool for all the team	Way of Working
			Responsible: Project Manager	Principles Established ☐ Team actively support principles ☐ Stakeholders agree with principles
				☐ Tool needs agreed ☐ Approach recommended ☐ Operational context understood
			Task 10: Create a tool to share all information between the sub-team	☐ Practice & tool constraints known
			Responsible: Project Manager	1/6
			Task 20: Upload all the information in the handoff Every Week	
			Responsible: Project Manager and team	
			Task 10: Create a tool to share all information between the sub-team	Work Name
			Responsible: Project Manager	□ Commitment made □ Cost and effort estimated □ Resource availability understood
			Task 4: Created a Project Plan	□ Risk exposure understood □ Acceptance criteria established
			Responsible: Project Manager	□ Sufficiently broken down to start □ Tasks identified and prioritized □ Credible plan in place
			respensible. Freject manager	☐ At least one team member ready ☐ Integration points defined
			Task 11: Fill the risks and risk mitigation	2/6
			Responsible: Project Manager	
Team Kernel			Task 7: Assign teams and roles into the team	
☐ Individual responsibilities accepted and aligned to competencies		Task 18: Establish a effective communication with	Responsible: Project Manager	
☐ Enough members recruited☐ Roles understood		the other members of the team, the chines members		
☐ How to work understood ☐ Members introduced		Responsible: Team	Task 12: Elaborate team roles and responsabilities diagrams	
□ Members accepting work □ External collaborators identified □ Communication mechanisms defined			Responsible: Project Manager	
☐ Members commit to team				
			Task 13: Explain work methodology and each	
			member role Responsible: Project Manager	
			Task 21: Create the Progress Diagram and	
			Preconceptual Scheme	Way of Working
			Responsable: Requirements Analyst	Foundation Established Key practices & tools selected Practices needed to start work
			Task 22: Create and Update the Kanba Table and the Alpha Report	agreed Non-negotiable practices & tools identified
			Responsabl: Requirements Analyst	□ Gaps between available and needed way-of-working understood □ Gaps in capability understood □ Integrated way of working available
			Task 23: Create a Driagram Class	2/6
			Responsable: Requirements Analyst	
			Task 10: Create a tool to share all information between the sub-team	
			Responsible: Project Manager	
	<u> </u>		<u> </u>	

			Task 14: Understand the stakeholders'	Requirements SEMAT Remail
			tecnical requirements Responsible: Requirements Analyst	Conceived
				☐ Stakeholders agree system is to be
				produced ☐ Users identified
				☐ Funding stakeholders identified
				Opportunity clear
				1/6
15MT			Task 10: Create a tool to share all information	
Requirements			between the sub-team	
Coherent			Responsible: Project Manager	
□ Requirements shared				
☐ Requirements' origin clear		Task 5: Have a meeting with the different		
□ Rationale clear □ Conflicts addressed		stakeholders for clarify questions		
☐ Essential characteristics clear		Responsible: Team	Task 9: Have a meeting with all the project coordination to establish the communication	
 □ Key usage scenarios explained □ Priorities clear 			way and tool for all the team	
☐ Impact understood			Responsible: Project Manager	
□ Team knows & agrees on what to deliver				
3/6				
			Task 10: Create a tool to share all information	SEMAT Kenne
			between the sub-team Responsible: Project Manager	Requirements
			reoperioris. Frequent mariage.	Acceptable
			Task 31: Records of mettings with stakeholders	☐ Acceptable solution described
			Responsible: Requirements Analyst	□ Change under control□ Value to be realized clear
				 Clear how opportunity is addressed Testable
			Task 15: Upload all the information of the deliverable 1 in the assembler	
			Responsible: Project Manager	
			Toda 40. House a secretary with the Andreid Co.	
			Task 16: Have a meeting with the Android for solver the different question about the pre-	4/6
			conceptual scheme	
			Responsible: Requirements Analyst	
			Task 14: Understand the stakeholders'	
			tecnical requirements Responsible: Requirements Analyst and	
SEMAT Kernel			responsible. Requirements Analyst and	
Opportunity Kernel				
Value Established				
☐ Opportunity value quantified	Task 16: Have a meeting with the stakeholders			
 □ Solution impact understood □ System value understood 	for understand the impact of this software, how many person will use the software.			
 Success criteria clear Outcomes clear and quantified 	Responsible: Project Manager			
Substitute of car and quantities				
3/6				
		Opportunity SEARCH		
		Viable		
		□ Solution outlined		
	Task 17: Have a meeting with Stuart and	 Solution possible within constraints 		
	Carlos Mario for make a presentation and get the feedbacks about the GUI flow	 ☐ Risks acceptable & manageable ☐ Solution profitable 		
	Responsible: Team	Reasons to develop solution understood		
		understood □ Pursuit viable		
		4 / 6		
	1	1		

	Task 17: Have a meeting with Stuart and Carlos Mario for make a presentation and get the feedbacks about the GUI flow Responsible: Team	Stakeholder In Agreement Minimal expectations agreed Rep's happy with their involvement Rep's input valued Team's input valued Priorities clear & perspectives balanced		
			Task 19: Have all planned meetings with team members, virtual and presensial meetings Responsible: Team	Team Collaborating Works as one unit Communication open and honest Focused on mission Members know each other
			Task 19: Have all planned meetings with team members, virtual and presensial meetings Responsible: Team	Team Performing Consistently meeting commitments Continuously adapting to change Addresses problems Rework and backtracking minimized Waste continuously eliminated
Way of Working In Use Practices & tools in use Regularly inspected Adapted to context Supported by team Feedback mechanisms in place Practices & tools support collaboration		Task 25: Make the interface specification Responsible: System Architect	Task 24: Create and define the software Architectures Responsible: System Architect Task 25: Make the User Cases Responsible: Tester Task 26: Create the GUI Flow	
Software System Architecture Selected Architecture selection criteria agreed HW platforms identified Technologies selected System boundary known Decisions on system organization made Buy, build, reuse decisions made Key technical risks agreed to	Task 27: Select the Achitecture and technologies Responsible: Developer		Responsible: System Architect Task 11: Fill the risks and risk mitigation table Responsible: Project Manager Task 26: Create the GUI Flow Responsible: System Architect	
Software System Demonstrable Key architectural characteristics demonstrated of control of the	Task 28: Source Code Responsible: Developer Task 29: Make the code documentation Responsible: Developer Task 30: Make the test and upload the result test Responsible: Tester			

3.5 Alpha state advance report

STATE	HOW WAS ARCHIEVE	TASK	DATE/DURATION	CHARACTERISTICS
Opportunity Solution Needed Solution identified Stakeholders' needs established Problems and root causes identified		Task 1: Read the documents about work purpose provided by the professors and identify the requeriments	11/02/2016 - 2 hours	The documents were checked with the proffesor in the classroom
□ Need for a solution confirmed □ At least one solution proposed	different document with the inicial requirements.	Task 2: Understand the stakeholders requirements and ideas about the software	16/02/2016 - 2 hours	We had a meeting with the sub-team for understand our roles
Stakeholder Recognized Stakeholder groups identified Key stakeholder groups represented Responsibilities defined	The analyst leader provided the contact of the different	Task 3: Talk with the professor about the features of the software requested	16/02/2016 - 6 hours	Presentation of the different request with the Analyst leader
1/6	the contact of the different stakeholdes and the PC created a project plan with the other PC of the other teams	Task 4: Create a Project Plan	19/02/2016 - 5 hours	We had a sent a email and had a meeting with the different professor of the universities aka stakeholders, we created a project plan about all the communication and the way for to work
Stakeholder Involved Representatives assist the team Timely feedback and decisions provided	The faculty of profesor provided a timeline for the	Task 6: Assing a timeline and feedback in the classroom and meeting.	11/02/2016 - 2 hours	Checked with the team member the differents timelines that we have for all the delivebles
☐ Changes promptly communicated	course and responded the email sented for the students	Task 4: Create a Project Plan	19/02/2016 - 6 hours	We had contact with all the project manager for established the way for to work
Team Seeded Mission defined Constraints known and defined Growth mechanisms in place	The students sent the CVs to the profesor Carlos Marios,	Task 7: Assign teams and roles into the team	11/02/2016 - 2 hours	The professor had a meeting for assigned the studen in the different roles and subteam under the skills of each student
Composition defined Responsibilities outlined Required commitment level clear Required competencies identified Size determined Governance rules defined Leadership model selected	and with the other professor, they assigned the student in the different sub-teams	Task 8: Assing the different task to the team members and a project coordinator for each team	11/02/2016 - 2 hours	The professor assigned a part of the project to each sub- teams and define the task for that sub-teams

				the PCs had personal and
Way of Working	The Projects Coordinator had	Task 9: Have a meeting with all the project coordination to establish the communication way and tool for all the team	16/02/2016 - 5 hours	virtual meetings where defined the way of the communication like university email, skype, whatsapp and FB
☐ Team actively support principles ☐ Stakeholders agree with principles ☐ Tool needs agreed ☐ Approach recommended ☐ Operational context understood ☐ Practice & tool constraints known	several meeting with all the project coordinator of each sub-team and defined the way of the communication for all and the project coodinator upload the	Task 10: Create a tool to share all information between the subteam	19/02/2016	The PC created a google drive with all the folders for each sub team and shared that virtual folder with all the classmate
1/6	handoff with the all the team every week	Task 20: Upload all the information in the handoff Every Week	19/02/2016 to 17/03/2016 - 10 hours	The PC with the team created all the handoff every week.
Work Prepared Commitment made Cost and effort estimated Resource availability understood		Task 10: Create a tool to share all information between the subteam	19/02/2016 - 4 hours	The PC created a google drive with all the folders for each sub team and shared that virtual folder with all the classmate
Risk exposure understood Acceptance criteria established Sufficiently broken down to start Tasks identified and prioritized Credible plan in place At least one team member ready Integration points defined	The Project Coordinator created a tool for share to all the classmate, and created and document for the global table to risk and mitigation	Task 4: Created a Project Plan	19/02/2016 - 6 hours	We had contact with all the project manager for established the way for to work
276	table	Task 11: Fill the risks and risk mitigation table	23/02/2016 - 4 hours	Created a virtual table with the recopilation of the different sub-team and added all the information about risk and mitigation table in one only table for all the group
		Task 10: Create a tool to share all information between the sub- team	19/02/2016 - 4 hours	The PC created a google drive with all the folders for each sub team and shared that virtual folder with all the classmate
		Task 13: Explain work methodology and each member role	07/03/2016 - 2 hours	We had a meeting with all the team about the performance of each team member and the way that the team should be work the next weeks.
Way of Working Foundation Established Key practices & tools selected Practices needed to start work agreed Non-negotiable practices & tools identified Gaps between available and needed way-of-working understood Gaps in capability understood Integrated way of working available	The team have different meeting with the stakeholders and between the team for established the requirements	Task 21: Create the Progress Diagram and Preconceptual Scheme	20/03/2016 8 hours	The team verified the preconceptual scheme and diagram progress with the member of andoid client team, with that and another meeting with the Stuart Professor the team testing client, clarify the different requeriments for create the scheme and diagram.
2/6		Task 22: Create and Update the Kanba Table and the Alpha Report	17/02/2016 to 17/03/2016 15 hours	The team constantly checked all the kaaba and the alpha report
		Task 23: Create a Driagram Class	23/02/2016 - 4 hours	the team created a diagram class consistent with the whole the classmate and teams

Opportunity Identified Idea behind opportunity identified At least one investing stakeholder interested Other stakeholders identified	The Team understanded the basic ideas about the software and the role of the team in this DS	Task 2: Understand the stakeholders requirements and ideas	25/02/2016 - 8 hours	The team reacived an email with different responde from the Stuar profesor and the team had a meeting with the Android team and all the class for clarify their role
Requirements Conceived Stakeholders agree system is to be produced Users identified Funding stakeholders identified Opportunity clear	The students understanded the basic ideas about the software and the role of the team in this DS	Task 14: Understand the stakeholders' tecnical requirement	25/02/2016 - 15 hours	The team reacived an email with different responde from the Stuar profesor and the team had a meeting with the Android team and all the class for clarify their role
Requirements Acceptable		Task 10: Create a tool to share all information between the subteam	19/02/2016 - 4 hours	The PC created a google drive with all the folders for each sub team and shared that virtual folder with all the classmate
Acceptable solution described Change under control Value to be realized clear Clear how opportunity is addressed Testable		Task 31: Records of mettings with stakeholders	13/02/2016 to 17/03/2016 8 hours	The PC and Requirements Analytic recorded the different meeting with the stakeholders
4/6	The team with the different meeting with the other teams, the stakeholder and the Analisty leader have a very good idea about the software solution for this course	Task 15: Upload all the information of the deliverable 1 in the assembler	09/03/2016 2 hours	Uploaded all the infomation of the deliverable 1 in the assembler for the student of the other universities
		Task 16: Have a meeting with the Android for solver the different question about the pre- conceptual scheme	09/03/2016 2 hours	The PC analyst requirements had a meeting with the Android team to clarify and unify concepts
		Task 14: Understand the stakeholders' tecnical requirements	25/02/2016 - 15 hours	The team reacived an email with different responde from the Stuar profesor and the team had a meeting with the Android team and all the class for clarify their role

Team Collaborating Works as one unit Communication open and honest Focused on mission Members know each other	With the helped of the Analisty leader the team solved almost the issues of communication and improved the performance into the team.	Task 19: Have all planned meetings with team members, virtual and presensial meetingst	09/03/2016 - 1 hour	The team had different meeitng during the next weeks
Team Performing Consistently meeting commitments Continuously adapting to change Addresses problems Rework and backtracking minimized Waste continuously eliminated	With the helped of the Analisty leader the team solved almost the issues of communication and improved the performance into the team.	Task 19: Have all planned meetings with team members, virtual and presensial meetingst	09/03/2016 - 1 hour	The team had different meeitng during the next weeks

4. Correction 1 Deliveres DSD Project GANTT

