<Study Group App>

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Revision History

Last User to make Changes	Date	Summary of Changes
Ayman Alghamdi	02/03/2017	Initial Release
Ayman Alghamdi	02/17/2017	1. Adding the status for the first sprint stories. 2. Calculating the velocity. 3. Writing the retrospective. 4. Adding the actual hours sppent for each task in sprint#1 5. Creating sprint#2 backlog.
Ayman Alghamdi	03/04/2017	1. Adding the status for the second sprint stories. 2. Calculating the velocity of the second sprint. 3. Writing the retrospective. 4. Adding the actual hours sppent for each task in sprint#2. 5. Creating sprint#3 backlog.

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Vision Statement:

For students of all ages who want to study in groups or trainers who want to create their virtual classes to keep in touch with their group members, the StudyGroup App is an educational social networking App that allows users to create or join groups study. Unlike traditional face-to-face group study method, our product allows users to create groups and give them distinct names and different educational areas such as Engineering, Education, Arts, etc. In addition, users can make the groups private or public.

Categories of Users:

Students and Educators – who have Android smartphone knowledge.

Actor-Goal List

Actor	Goal
Group Member	Find groups in area of interest
	Browse lists of available public groups
	Joining a group
	Sending requests to join private groups
	Join public groups
	A joined groups list.
	Collaborating and asking questions
	share files
Group Admin	Create a group in specific area
	Select an educational area from a list of existed educational areas
	Make a group profile
	Invite members
	Invite members via different communication media tools: E-mail, social media platforms, SMS, etc.
	Group activity
	Create group activities and exercises

Users Stories:

Estimated Effort: 20 Story Points As a teacher, I want to be able to create a group for my class where I can provide them with references like e-books, videos, and written materials that may help them to understand better what will be/has been presented in class.	**Estimated Effort: 16 Story Points** As a student, I want the App to recommend some public study groups to me base on my area of interest.
Estimated Effort: 15 Story Points As a user, I want all my personal information and group information to be safe and protected.	**Estimated Effort: 16 Story Points** As a teacher, I want to be able to reset my password easily and safely.
Estimated Effort: 18 Story Points As a trainer, I want to be able to communicate with my group via voice and chat where they can form a queue for members' participation and questions that make it easy to teach and communicate.	**Estimated Effort: 19 Story Points** As a user, I want to be able to search and sort the public group list by various ways that I can find what I want fast.
Estimated Effort: 20 Story Points As a student, I want the App responses fast and be a support team that help members when problem happen.	**Estimated Effort: 18 Story Points** As a teacher, I want my students to be able to create groups, including me, to complete their tasks that request or allow group work at their ease and convenience. So that I could be a part of it and watch their cooperation and performance and be able at the same time to provide them with assistance whenever needed.
Estimated Effort: 12 Story Points As a trainer, I want to have in the app some teaching tools that help me while I'm teaching.	**Estimated Effort: 5 Story Points** As a teacher, I want to be able to create group for my students only to hear their suggestions and feedback about the materials, teaching styles, and exercises used in class.
Estimated Effort: 12 Story Points As a student, I would like to have a calendar that as a team we can organize our study.	

Product Backlog:

Story ID	Story	Story Points	Priority	Status
S1	User sign up and create user profile.	20	1	Completed 02/13/2017
S2	Allow users to sign in.	17	2	Completed 02/13/2017
S3	Allow users to reset or send password	16	3	Completed 02/13/2017
S4	Allow user to create a new group and build its profile.	15	4	
S5	Allow user to invite members to his/her group; 5 members max.	14	6	
S6	Allow a group member to communicate together (voice, typing).	18	5	
S7	Allow users to search in public groups and sort them by content area, date (newest, oldest), or aphetically.	19	7	
S8	Allow group members to share documents and videos.	20	10	
S9	Make public groups recommendations to the App members base on their interest areas.	16	18	
S10	Allow users subscribe for monthly payment to have unlimited group member size, more group features, and make the group at the top of the group list.	20	13	
S11	Add a calendar for each group. The group admin is the only one can update it and write in it.	12	11	

Use Cases:

Title:	Signing in
Use case ID:	UC001
Actor:	user
Description:	This use case describes the system interactions with wrong entered username or password or both.

Basic Flow:

1. This use case begins when a user clicks on "Sign in".
2. User enters the correct username and password.

Alternate Flows:

2a. The password or the username are wrong.
1. For the first time, the system displays a message "username or password or both is incorrect".
2. For the second time, the system shows the same message and ask user to type what in the picture; numbers and letters.
3. The system responds the same for the next three wrong sign-in tries.
4. Then, the system will hold the account for 30 minutes and send an alert email to the account owner.
5. In 30 minutes, user can sign in again.

2b. The user does not have an account.
1. The system displays a message "Sorry, we don't recognize this email".

Open issues:

1. If the user enters an unrecognized email, system takes user to the sign-up layout

Sprint #1

Sprint Backlog:

Story ID	Story / Task	Estimated Hours	Actual Hours
S1	Writing the App license terms and agreement	5	8
	Designing user signing up profile UI form.	7	8
	Determining and implementing the App database	8	19
	Writing the code	9	12
	Testing	2	2
S2	Designing user signing in UI.	2	3
	Checking entered username and password in database, and hold the account temporary after four wrong logins.	4	15
	Adding remember me button	1	1
	Coding remember me button	3	3

Retrospective:

For this iteration, I planned to complete two stories S1 and S2 and both are completed spending time more than I planned. I underestimated the hours to complete tasks. Also, I've faced some difficulties in completing these two stories that why I spent more time than I planned. First, I spent most the time learning java because this is my first time coding java program. Second, I spent too much time learning how to build external database and connecting tables with my android since I have "log in" and "sign up" UI. In my opining, these two obstacles are helped me to learn more.

Project velocity: 37

Sprint #2

Sprint Backlog:

Story ID	Story / Task	Estimated Hours	Actual Hours
S3	Designing an UI for rest password	3	5
	Check the entered email with the database	9	8
	Send the current password to the user email	10	12
S4	Designing an UI with two tabhost (Public group / Private group)	8	10
	Designing an UI for users to create a group.	10	9
	Building tables in my database for public group and private group information	15	20
	Allow user to see all public groups and their private groups they created or member in.	7	-
	Display all groups sorted by their title.	6	-

Sprint Goal:

Make the application run and synchronize with SQL database.

Retrospective:

For this iteration, I planned to complete two stories S3 and S4 and I completed S3 and the first three tasks from S4. I spent too much time more than I planned on how to build an external database and connecting it with the App because this is my first time dealing with real time database connection and I have no idea about it before. I just guessed the amount of hours to complete tasks. Also, I've faced some difficulties finding free hosts that I can use to build my real time database that allow me to connect with it from outside.

Project velocity: 53

Sprint #3

Sprint Backlog:

Story ID	Story / Task	Estimated Hours	Actual Hours
S4	Allow user to see all public groups and their private groups they created or member in.	7	
	Display all groups sorted by their title.	6	
S5	Desing a UI for the group admian shows all app users.	9	
	Code the UI.	15	
	Updating the group members information in database	10	

Sprint Goal:

Make chating between users fast and the datatbase updated all time.