

CPSC 362 Section 14 Group 1

General Idea: 'Study Buddy Software'

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**User Requirements Definition:**

Requirement ID	Description	Priority	Acceptance Criteria	Justification	Dependencies	Traceability
UR-001	As a user, I want to login	High	User provides username, and creates password	Creates a way to login	Authentication system, on username and password	SR-001 SR-011 SR-012
UR-002	As a user, I want to message friends	Low	Can send messages	Texting within the app	Messaging service, the other account is valid to receive messages	SR-002 SR-013 SR-016
UR-003	As a user, I can select what time to study with others	High	The filter sorts out people who are not available	Creates a way to see people with similar free time slots	Filter system, the time filter sorts the people	SR-003 SR-007 SR-017
UR-004	As a user, I want to be able to create a public profile so others can see my description.	High	Creates a profile that holds basic information on someone such as study habits	Helps others learn a little about a user's personality	Profile creation system, storing each user's detailed profile in a database.	SR-004 SR-018 SR-005
UR-005	As a user, I should be able to see someone else's profile.	Medium	Allows user to view someone else's public profile	Helps the user learn a little about another user.	Profile creation system	SR-004 SR-021 SR-022
UR-006	As a user, I should be able to see how compatible I am with someone	Medium	Allows the user to quickly view whether the user they are viewing is a suitable selection.	Users might not want to spend a lot of time looking for a buddy. Provides	Comparison service	SR-005 SR-019 SR-020

				quick and easy way to view another user		
UR-007	As a user, I can create a study group than can hold a number people	Low	Allows the user to create a small study group that allows other user's to join.	In the event users are looking for more than just a buddy.	Filter system, compares profiles of two users	SR-008 SR-006 SR-009 SR-017
UR-008	As a user, I can filter by whether someone is taking the class I am in	High	Allows for users to filter by whether someone is taking the same class as them.	Users will most likely be looking for another user studying the same thing.	Filter system that filters by class	SR-005 SR-007 SR-017
UR-009	As a user, I can have a study buddy in more than two subjects	Low	Allows the user to have buddies in multiple subjects	Users may be looking for study buddies in multiple subjects	Subject sorting service	SR-023 SR-024 SR-025
UR-010	As a user, I can share our files	Low	Allows user to upload and share files with study buddies	Provides a way for users to share information in order to study	Filing sharing service	SR-008 SR-014 SR-015
UR-011	As a user, my account information is protected	High	User's data is secure and only accessible to them	Protects the user's information	Security system, authentication	SR-010 SR-027 SR-028
UR-012	As a user, I want to be able to reset my password	Medium	User can reset their password via email	Allows user to recover or better secure their account	Email service, for password recovery	SR-026 SR-029 SR-030

### System Requirements Definition:

Requirement ID	Description	Category	Priority	Constraints	Acceptance Criteria	Traceability
SR-001	Creates username and password, for new account	Functionality	High	Unique username, secure password	User can make account	UR-001
SR-002	Sends a message from one account to another	Functionality	Low	Should not text a user that does not exist	User account is valid	UR-002
SR-003	Filters the people from available time slots	Functionality	High	Valid times and valid users	Unique time slots for each day	UR-003
SR-004	Stores the user's public profile and allows other users to view it.	Functionality	High	Profile visibility for other users	Users can view other profiles	UR-004 UR-005
SR-005	Filters users based on specific criteria and shows them to a relevant user	Functionality	Medium	Valid criteria for filtering	Displays filtered users to relevant matches	UR-006 UR-008
SR-006	Stores files from the user	Functionality	Medium	Can only be the users previous files	Neat, and organized files,	UR-010
SR-007	Removes previous time or past times slots	Non functional	Medium	Nobody should be able to see expired times	Automatically gets rid of past times, hidden from user	UR-003 UR-008
SR-008	Option to add additional times for unique conditions	Functionality	Low	Should be seen by others and have times set by the user	People can view and select this time slot	UR-007

SR-009	Allows users to create a study group with other users	Functionality	Low	Limited group size, ability to control groups	Groups can be created between multiple users	UR-007
SR-010	Verifies the users identity	Non functionality	Low	Email code should expire after some time	Basic encryption or email confirmation	UR-011
SR-011	Locks the user out after five failed login attempts	Non functionality	Medium	Account should be locked for 5 minutes	System locks after five failed login attempts	UR-001
SR-012	Login should have a password complexity requirement	Non functionality	Medium	Password should be at least 8 characters with symbols	Login system follows password complexity requirement	UR-001
SR-013	Users cannot message accounts they have blocked	Non functionality	Medium	Should not allow users to message accounts they have blocked	User cannot message a blocked account	UR-002
SR-014	Files can include photos or just document notes from the user	Non functionality	medium	No videos allowed, just photos or documents	The user can add as many photos or documents as they want	UR-010
SR-015	Files can also be optionally shared among other users	Non functionality	Low	The other user must accept or decline the invitation to view the shared file	The other user can not view the file if they decline	UR-010
SR-016	Users cannot message an account that has blocked them	Non functionality	Medium	Should not allow users to message accounts that have blocked them	Users cannot message an account that has blocked them	UR-002

SR-017	Allows users to schedule study sessions with study buddies	Functionality	High	Users can send and accept/deny invitations	Users can send invitations to friends for study times	UR-003 UR-007 UR-008
SR-018	Allows users to update their profile information	Functionality	High	Users can update their own profile information	The user's profile information is properly updated	UR-004
SR-019	The criteria can include classes, class year, gender, etc.	Non functionality	Low	All mentioned options need to be very specific to meet user needs	The query search will recommend people, and send a message if non meet the criteria	UR-006
SR-020	The system can recommend matches based of a matching algorithm	Functionality	High	The algorithm may not be accurate recommendations, and it is only off of the person bio to be random	Provides a result of a few unique people	UR-006
SR-021	Users can report other users for inappropriate behavior	Functionality	High	Users must give reasons for reporting other users	Allows user to report another user	UR-005
SR-022	Users can view other user's profile pictures	Non functionality	Low	Profile pictures can be viewed by other users	Allows users to view other user's profile picture	UR-005
SR-023	Displays user's subject preferences	Functionality	Medium	Profile displays subject preferences	Users can view another user's subject preferences	UR-009
SR-024	Allows user to choose and filter	Functionality	High	Multiple subjects per	User can select multiple	UR-009

	study subjects			user	subjects while trying to find a study buddy	
SR-025	Allows users to prioritize subjects	Functionality	Medium	Primary subject with secondary subjects	Users can select a primary subject that they want to study and secondary subjects	UR-009
SR-026	The password is changed in the system to the according account	Functionality	Medium	The new password is typed twice to be confirmed by the user	The user can login to their account after their password has been changed	UR-012
SR-027	Protected by a unique username to the user	Functionality	High	The username does not match with others	The username has a unique number also assigned to it	UR-011
SR-028	Protected by having a secure password	Functionality	High	The password must be at least 8 in length and have one unique character like # \$ % ! &	The password will not be accepted if it doesn't meet criteria	UR-011
SR-029	The password reset link will be sent to the email that the account was set up with	Functionality	Medium	The user confirms their email before the code is sent	The correct email is sent the password reset link	UR-012
SR-030	The email code is created and verified using RSA	Functionality	Medium	Only one code can be sent at a time	Once verified the page lets you rewrite your new password	UR-012

**Product Backlog:**

ID	User Story	Priority	Sprint	Story Points
PB-01	As a user, I will login with an ID and password to see my profile. As well as be able to reset my password if needed.	High	Sprint 1	10
PB-02	As a user, I can search for other users and request to be their “study buddy”	High	Sprint 2	3
PB-03	As a user, I can filter other users when searching by whether they’re in the same subject as me and/or by their study habits.	High	Sprint 2	10
PB-04	As a user, I can share my information with others such as text or files	Medium	Sprint 3	4
PB-05	As a user, I can create a “study group” that involves a group of other users as opposed to just one user.	Low	Sprint 3	8
PB-06	As an admin, I can see users that may have been reported by other users for behavior purposes.	High	Sprint 4	3
PB-07	As a user, I can update my information on my bio page as needed.	High	Sprint 5	3