

Sprint 4: M5

Backlog	Tasks	Difficulty	In-progress	Done	Person
Authorization: Profiles at each authorization tier (superadmin, admin, user) can only access privileges associated with that tier	Create admin dashboard functions: delete users, create users, reset a user's password	8	yes	yes	Ben
	Update user dashboard so they can only delete own account	6	yes	yes	Ben
	Edit logged-out dashboard so new users can create an account	5	yes	yes	Ben
	Implement authorization level column so superadmins and admins can only edit/delete lower tier profiles	8	yes	yes	Ben
Encryption: User can send photos to recipient with confidentiality and integrity	Implement TLS	6	yes	yes	Earn
	Implement Certificate Verification Protocol	6	yes	yes	Earn
Functionality	Delete works correctly	7	yes	yes	Nithya
	Quit works	6	yes	yes	Nithya

	correctly				
	Handle empty user case	8	yes	yes	Nithya
	Cancel button works	7	yes	yes	Nithya
	Fix superadmin authentication	9	yes		
	Fix case where user can log in twice	6	yes		
	Fix role return	7	yes		
	Fix case where user can log in twice	9	yes		
	Handle case where admin tries to create a user that already exists	8	yes		
Audit	IP address	7	yes	yes	Earn and Nithya
	Username	7	yes	yes	Earn and Nithya
	Timestamp	7	yes	yes	Earn and Nithya
	Action (success/failure)	7	yes	no	Earn and Nithya
	Log event that involves a security requirement: principal was authenticated, action was	8	yes	yes	Earn and Nithya

	authorized				
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Sprint 3: M4					
Backlog	Tasks	Difficulty	In-progress	Done	Person
Authorization: Profiles at each authorization tier (superadmin, admin, user) can only access privileges associated with that tier	Create admin dashboard functions: delete users, create users, reset a user's password	8	yes	yes	Ben
	Update user dashboard so they can only delete own account	6	yes	yes	Ben
	Edit logged-out dashboard so new users can create an account	5	yes	yes	Ben
	Implement authorization level column so superadmins and admins can only edit/delete lower tier profiles	8	yes	yes	Ben
Encryption: User can send photos to recipient with confidentiality and integrity	Implement TLS	6	yes	yes	Earn
	Implement Certificate Verification Protocol	6	yes	yes	Earn
Functionality	File	9	yes	yes	Nithya

	automatically sends to the recipient without the recipient having to do anything.				
	If user X sends a file to user Z and user Y sends a photo to user X, user X will receive the photo after they finish sending the photo.	8	yes	yes	Nithya
	Quit works correctly	6	yes	yes	Nithya
	Recipient X can choose to accept or reject a photo	7	yes	no	Nithya
Integration	Restructure client code to support admin/superadmin and user functionality	7	yes	yes	Earn
	Restructure server code to support admin/superadmin and user functionality	7	yes	yes	Earn
	Restructure the client-server architecture so that authentication	7	yes	yes	Earn

	goes through the server				
	Split the functionality of frontend dashboard - make sure backend/server operations are separate from GUI	9	yes	no	Earn
	Restructure the file directories in order to have a clearer separation between client/server files	6	yes	yes	Earn

Sprint 2: M3					
Backlog	Tasks	Difficulty	In-progress	Done	Person
Authentication: Sender / Recipient: They can make an account so they can start sending/receiving photos	Create csv to store user records in format <i>username, userID, password, salt</i>	4	yes	yes	Ben
	Salt password, hash salted password, and stored salted and hashed password in userinfo.csv	6	yes	yes	Ben
	On login, prompt user for	5	yes	yes	Ben

	username and password or to make a new account				
	Implement function for account deletion	5	yes	yes	Ben
	Implement account creation function, considering password policies and existing user records	6	yes	yes	Ben
	Authenticate if password for username is valid on login	7	yes	yes	Ben
Encryption: User can send photos to recipient with confidentiality and integrity	Write function for GCM encrypting	4	yes	yes	Earn
	Write function for GCM decrypting	4	yes	yes	Earn
	Write code to generate session IDs	5	yes	yes	Earn
	Create a session manager, store the AES keys	7	yes	yes	Earn
	Generate RSA keys for each	5	yes	yes	Earn

	user and store them				
	IMPLEMENT - Encrypt and decrypt the stream of data	9	yes	yes	Earn Nithya
Other Tasks	Debug the stream of data	7	yes	yes	Earn Nithya
	Incorporate authentication + encryption	8	yes	yes	Earn

Sprint 1: M2					
Backlog	Tasks	Difficulty	In-progress	Done	Person
Sender - Send Photo: The user can send a photo to the chosen recipient	Implement a feature for users to upload a photo. (jpg, jpeg, jpg)	7	yes	yes	Ben Nithya Earn
	Develop functionality for multiple users to upload files	9	yes	yes	Earn Nithya Ben
	Develop functionality to select a recipient for the photo.	5	yes	yes	Earn Nithya
	Transmit the photo to the chosen user.	6	yes	yes	Earn Nithya
	Make sure that only valid files are uploaded.	4	yes	no	Nithya

	E.g. jpeg, png, jpg				
	Can only send to users who are logged in	4	yes	yes	Nithya
	Debug: Make sure the entire photo is sent over	8	yes	yes	Nithya
	The photo can be sent to the recipient directly without any action from the recipient	7	yes	no	Nithya
	Recipient can choose to decline or accept the photo	9	no	no	Nithya
Recipient - Photo Decision: The user can choose to decline or save the photo. The user can view the photo	Implement a feature so the user can receive and view the photo	7	yes	yes	Earn Nithya Ben