

Sprint Report 3

Sprint #3 outcome:

Sprint #3 25 Dec – 8 Jan (4 issues)				0	0	0	Complete sprint
✓ VSC-72 Implement checks for the uploaded image	DONE	▼	-	▼	BR		
✓ VSC-73 Retrieve photos for Firestore and allow editing/deleting them	DONE	▼	-	=	BR		
✓ VSC-83 Do QA work and validate features implemented in Sprint #3	DEV REQUIRE...	DONE	▼	=	MF		
✓ VSC-78 Create "Share photo" functionality	WON'T DO	▼	-	≡	BR		

Sprint duration:

The sprint took place from 25th of December (00:00) until 7th of January (23:59).

Sprint achievements:

- Implement a check on uploading an image (5MB limit)
- Add ability to save images and delete them from Firebase (they are stored in a separate profile for each user)

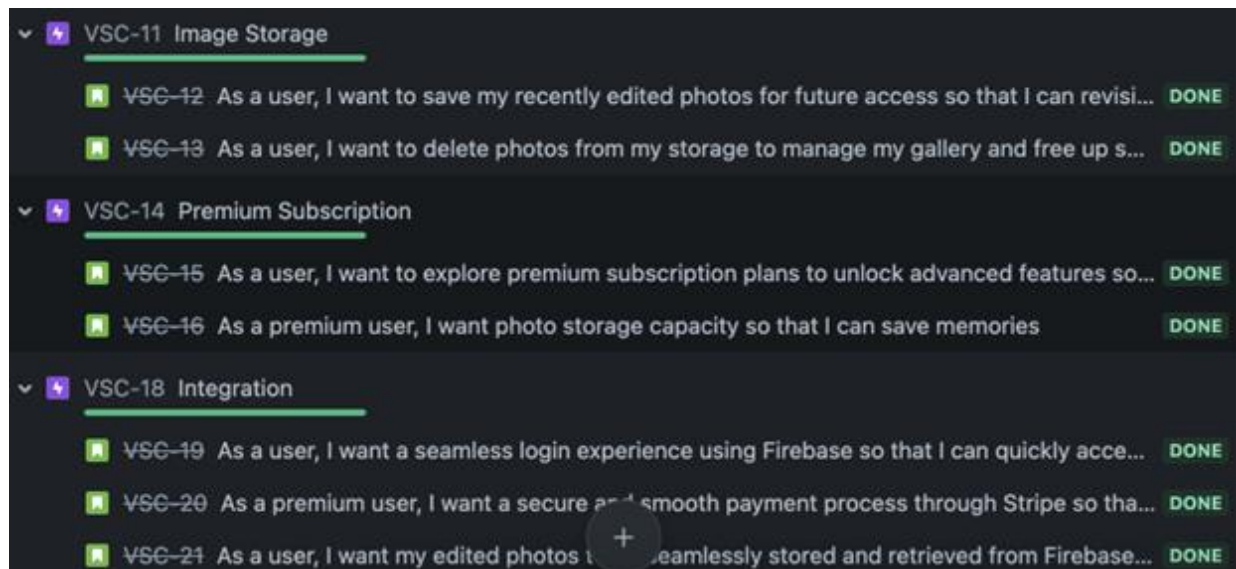
Unresolved tasks:

The only unresolved task was related to the “Share photo” functionality (VSC-78). The task won’t be done, since it extends beyond the scope of our project, requiring multiple implementations for each platform (e.g. Facebook, WhatsApp etc.) and a direct link to the image (at the moment, the images are saved in base64).

User stories:

The user stories related to the tasks in the current sprint are VSC-7, VSC-12, VSC-13, VSC-21. The user stories can be seen in the following images:

✓ VSC-1 User Authentication and Profile Management	
✓ VSC-2 As a unregistered user, I want to be able to register, so that I can access the functionaliti...	DONE
✓ VSC-3 As a registered user, I want to be able to log in, so that I can access my content	TO DO
✓ VSC-6 Image Editing	
✓ VSC-7 As a user, I want to upload a photo to start the editing process, so that I can personalize...	DONE
✓ VSC-8 As a user, I want to apply various filters to enhance the visual appeal of my photo so tha...	DONE
✓ VSC-9 As a user, I want to add text overlay to personalize my photo, so that I can convey a mes...	DONE
✓ VSC-10 As a user, I want to crop my photo to focus on specific elements so that I can control th...	DONE



Completed user stories:

- VSC-7
- VSC-12
- VSC-13
- VSC-21

Acceptance criteria of the completed user stories:

- VSC-7
 - Given** I am a user
 - When** I navigate to the photo upload page
 - And** I upload a photo for editing
 - Then** the photo should be successfully uploaded
 - And** I should be directed to the editing interface
- VSC-12
 - Given** I am a user in the editing interface
 - When** I save my recently edited photo
 - Then** the photo should be successfully saved to my storage
 - And** it should be accessible for future use
- VSC-13
 - Given** I am a user in my photo gallery
 - When** I delete a photo from my storage
 - Then** the photo should be successfully deleted
 - And** my gallery should be updated accordingly

- VSC-21

Given I am a user in the editing interface

When I save my edited photo

Then the photo should be seamlessly stored in Firebase

And I should be able to retrieve the photo anytime from my storage

Completed user story points:

The total user story points completed in this sprint:

$$2 + 2 + 2 + 3 = 9$$

Sprint outcome retrospective:

- Good:

- Most of the tasks were completed successfully
- There were no blockers during the course of the sprint
- We tried to find and fix possible situations where the user could get stuck (e.g. if the object removal algorithm did now work, an alert will be shown and the user could continue editing the photo as usual)
- The check for the image size works flawlessly
- All 3 image editing algorithms implemented for premium users work pretty well
- All around, the editing interface is intuitive and easy to navigate and use

- Bad:

- Firebase has a value limit of 1MB. Thus, because the photos are saved in base64, we can only save photos with a lower size
- Sometimes, some of the image editing algorithms take a bit too much to execute, this problem being related to the amount of bandwidth and free resources of the service we use

- Things we want to do better in the next development sprint:

- For the next sprint, we want to write cleaner code and think the implementation of the remaining features more thoroughly

Sprint review session:

The review session included both checking if the tasks were completed successfully and if the integration between them is seamless. All possible flows up to this point were tested, including:

- Saving photos
- Deleting photos
- Image size checking

The MVP includes most of the features discussed at the beginning of development. A person can sign up for an account, log in, edit their photos to their liking, buy a subscription, use premium features, such as: object removal, background removal, blurring, saving and deleting images from their profile. The remaining tasks for the last sprint are: implement the “Forgot Password” flow and allow the user to change their profile picture. Thus, the main functionality of the app has been developed and works as requested.