



Design of user interfaces

Context scenarios

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1. Context scenarios

1.1 Assignment

The assignment of this task is to define the context and requirements for two people synthesized for the application of microplastics.

Document contains two tables with context scenario for surfer and biologist that show how the app can be used and what are the requirements for such use.

1.2 Scenario 1

In this scenario, it is described, how surfer can use the app for uploading of picture that he took with sport camera during surfing lesson. The details of scenario are described in 1.1.

Scenario	Data needs	Functional needs	Product qualities
Surfer is in the sea and sees a lot of microplastics in the water			
He takes photos and videos with sport camera (GoPro, etc.)		Camera recording	Waterproof camera
He downloads the multimedia to his phone.	Photos, videos	Connection between camera and phone	
User lanches app of microplastics on his phone			

He swipes right to open left-side menu, he chooses to upload new picture.		Open menu, in menu upload new picture	
He chooses picture from folder where he has the GoPro photos	Access to phone repository	Open folder view	
He can add a caption to the picture		Text field for caption, enter text	
Application fills information about GPS coordinates and time from metadata	Image metadata	Extract metadata and show them next to the image	
User can add additional information about picture (weather, name of location)		Text fields for another user input	
He pushes the button for sharing the picture	Internet connection	Button for sharing shows the picture in shared database among users	
He can share uploaded image to other social networks or directly via email	Connection to other applications	Button allows to share image via other social networks	

Table 1.1: Context scenario for surfer

1.3 Scenario 2

In this scenario it is described how biologist can use the app to examine pictures that were uploaded by other users. The details of scenario are described in 1.2.

Scenario	Data needs	Functional needs	Product qualities
Biologist wants to examine pictures taken on Las Canteras beach			

User lanches app of microplastics on his phone			
He swipes right to open left-side menu, he chooses to browse pictures	Internet connection	Open menu, in menu browse pictures	
He sees all pictures that were uploaded, he filters the images by location	Access location	Button to show filter. Filter can be used by time, location, etc.	
Application shows list of locations that are close to the user.	GPS coordinates	Search for close locations.	
User can type in its own location and app tries to find it	Internet connection	Text input of location, find location in database	
App shows images that were taken on given location, eg. Las Canteras		Filter images by location	
User can zoom in on picture for better view		Two-finger zooming to show detail	
User can save picture to his own phone	Internet connection	Button allows to save the image	
User can comment on photos (eg. "these plastics are from this or this...")		Text field for comments under pictures	

Table 1.2: Context scenario for biologist