

Upload image		
Actors		User, database
Precondition		User wants to add image to system
Normal flow	Description	<ol style="list-style-type: none"> <li>1. User selects 'Upload' function</li> <li>2. User selects image to upload (JPEG)</li> </ol>
	Postconditions	Image is added to system and metadata is stored on database
Alternative flow and exceptions		<ol style="list-style-type: none"> <li>2.1 User selects an incompatible image file OR a non-image file</li> <li>2.2 User is requested to add a compatible file type(JPEG) and try again.</li> <li>2.3 User selects new file to add</li> </ol>
Non-functional requirements		Image search function should update for all users after 15 seconds

Search for images		
Actors		User, database
Precondition		<ol style="list-style-type: none"> <li>1. User wants to search for images</li> <li>2. System must have images already added</li> </ol>
Normal flow	Description	<ol style="list-style-type: none"> <li>1. User selects 'Search' function</li> <li>2. User enters search query</li> </ol>
	Postconditions	Search results are displayed
Alternative flow and exceptions		<ol style="list-style-type: none"> <li>2.1. No return results</li> <li>2.2. Displays search box and message 'No search results found'</li> </ol>
Non-functional requirements		Image search function should update for all users after 15 seconds

# Create PDF

Actors		User, database
Precondition		1.1.1 User wants to create an image album in PDF format 2.1.1 System needs to be connected to the database 3.1.1 System must have images to add to album
Normal flow	Description	1. User selects 'Create album' 2. User selects images from app to add to album. These can be either from browsing database or search function 3. User selects 'Create' 4. User specifies file folder path
	Postconditions	A PDF file is created by System for User, in the folder specified by User
Alternative flow and exceptions		3.1 User selects 'Create' without selecting any images 3.1.1 User gets notified by System that no images have been selected 4.1 User has specified an invalid folder path 4.1.1 User gets notified by System that path is invalid
Non-functional requirements		Image thumbnails must be visible for all image files

# Map functionality

Actors			User, database, GPS Maps
Preconditions			<ol style="list-style-type: none"> <li>1. Database requires geolocation data</li> <li>2. User wants to see location where picture was taken</li> </ol> OR
Normal flow	Description	<ol style="list-style-type: none"> <li>1.1. Picture is selected OR search results are displayed</li> <li>OR User selects 'Map'</li> </ol>	
	Postconditions	Maps are opened with relevant the relevant images displayed on map	
Alternative flow and exceptions			<ol style="list-style-type: none"> <li>2.1. No connection to database or no images on database</li> <li>2.1.1. No map function will be displayed</li> </ol>
Non-functional requirements			Map defaults to Trondheim as standard location