WeRec

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Project statement

WeRec is a personal video feed creator.
Use web client to customize video feed, invite parents, friends, or kids to join WeRec-bot in a messenger (such as Telegram, Whatsapp, etc.) and share created feed with them.
This will allow to control the amount and the quality of content User's beloved people watch or to recommend others User's personal video collection.

- First–end users can set up a custom video feed by specifying videos source and via web app connect it to a chatbot for selected messenger
- Second-end users then can access the chat bot and consume verified content
- Users can create a personal account to manage their feeds

Team: Ramilya Yusupova, Arina Smirnova, Sergey Zhurbey, Anrdey Kan, Mahmoud Hossameldin
Repository: WeRec-specs
This report:
https://docs.google.com/presentation/d/1FiJhKjwMFcK8olKaX1sLeCgdzKXzEuqBsri9f-DHnDw/edit?usp=sharing

Glossary

- **Video source** - a link to a video content channel on the Internet that is used in external applications.
- **Feed** - a keyword and list of video sources, users can connect to the feed and receive its content.
- **Ward** - a person who needs help and support.
- **Caretaker** - a person who looks after a ward.
- **Messenger** - a mobile or desktop application that enables chat, voice and video communications between the social media site's web-based messaging and smartphones.
- **Chat bot** - a software or computer program that simulates human conversation or "chatter" through text or voice interactions.
- **First-end users** - web-client users, caretakers, who create feed.
- **Second-end users** - chat-bot users, wards, who consume videos from created feed.
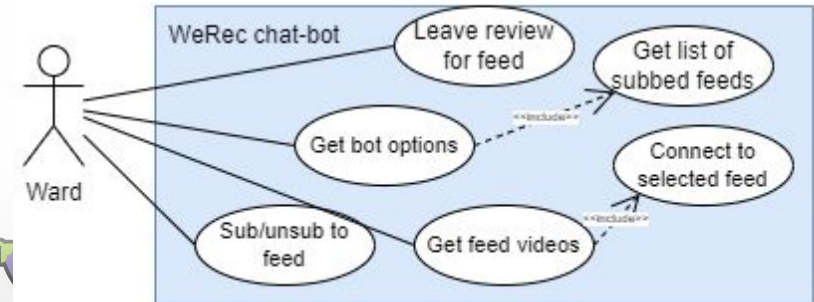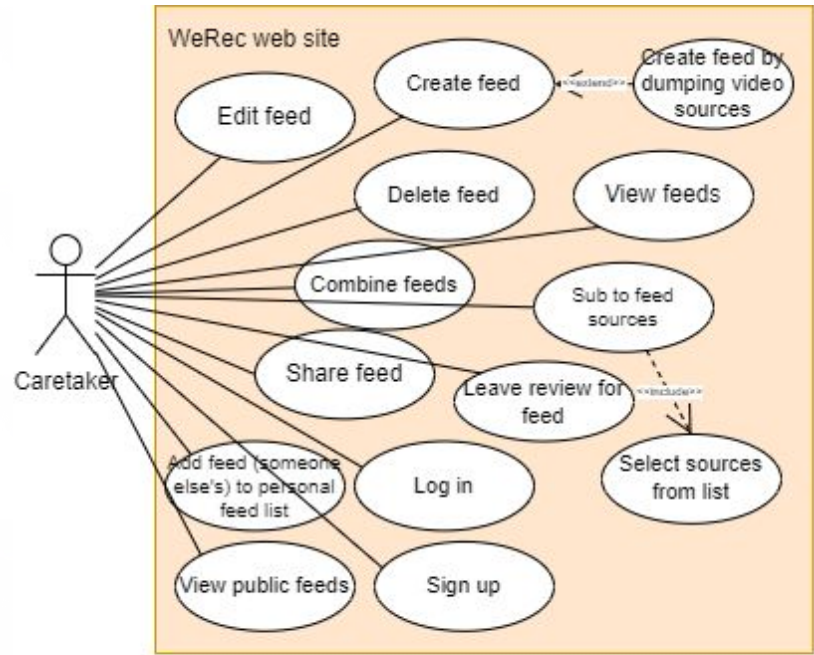
Use case Diagram

Detailed textual description of use cases:
https://github.com/RamilyaYus/WeRec-specs/wiki/Use-Cases-description

Image:
https://github.com/RamilyaYus/WeRec-specs/blob/main/Task%205/Use%20Case%20diagram.png

Candidate	Criteria	Stored information	Operations
Feed	SIAOUT	configuration, feed info, user info	manage config generates unique code
Ward	SIAOUT	phone number, subscriptions	subscribe leave review
Caretaker	SIAOUT	email, password, feed	sign up/login create feed manage feed share feed
Subscription	SAU	feed, ward	
Source	SU	link (string)	
Configuration	SIAUT	sources list, keyword, mode, quantity	manage source
Review	SIAU	comment, rating	edit review
Chat-bot	SAIOT	bot link, bot options, subscribed feeds	get options connect to bot get config list subscribe to feed

Interaction analysis

UseCase "Create video feed"

Feed	
knows creators_id knows name knows visibility knows description knows configs_list adds configurations deletes configurations edits configurations changes name changes visibility (make public/private) changes description save changes generates unique code	Caretaker Configuration

Configuration	
knows feed_id knows keyword knows sources_list knows number_of_videos adds sources deletes sources changes keyword save changes	Feed

Server	
knows user_id knows feeds_list process data	User Feed

Caretaker	
knows user_id knows feeds_list creates feed	Feed UI

UI	
create new feed knows feeds_list display Feed	Feed Caretaker Server

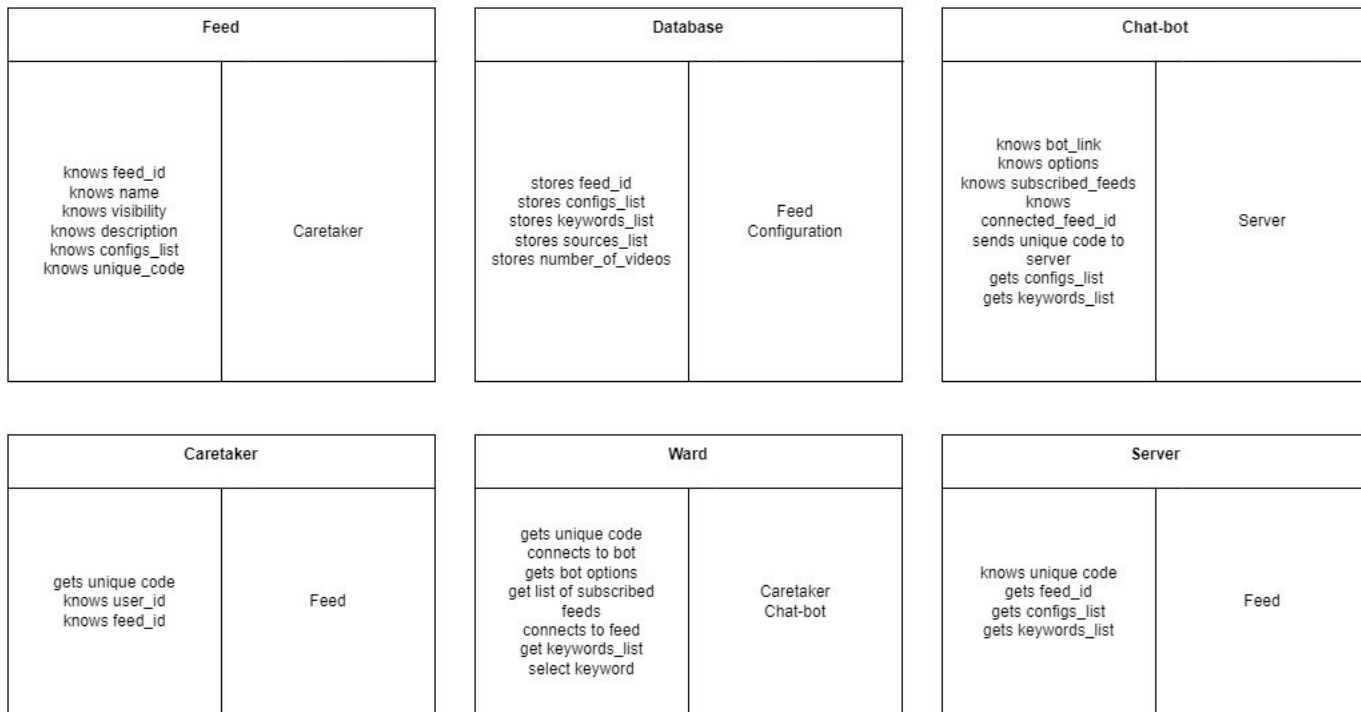| Database	
knows feeds_list knows user_id update database	Server

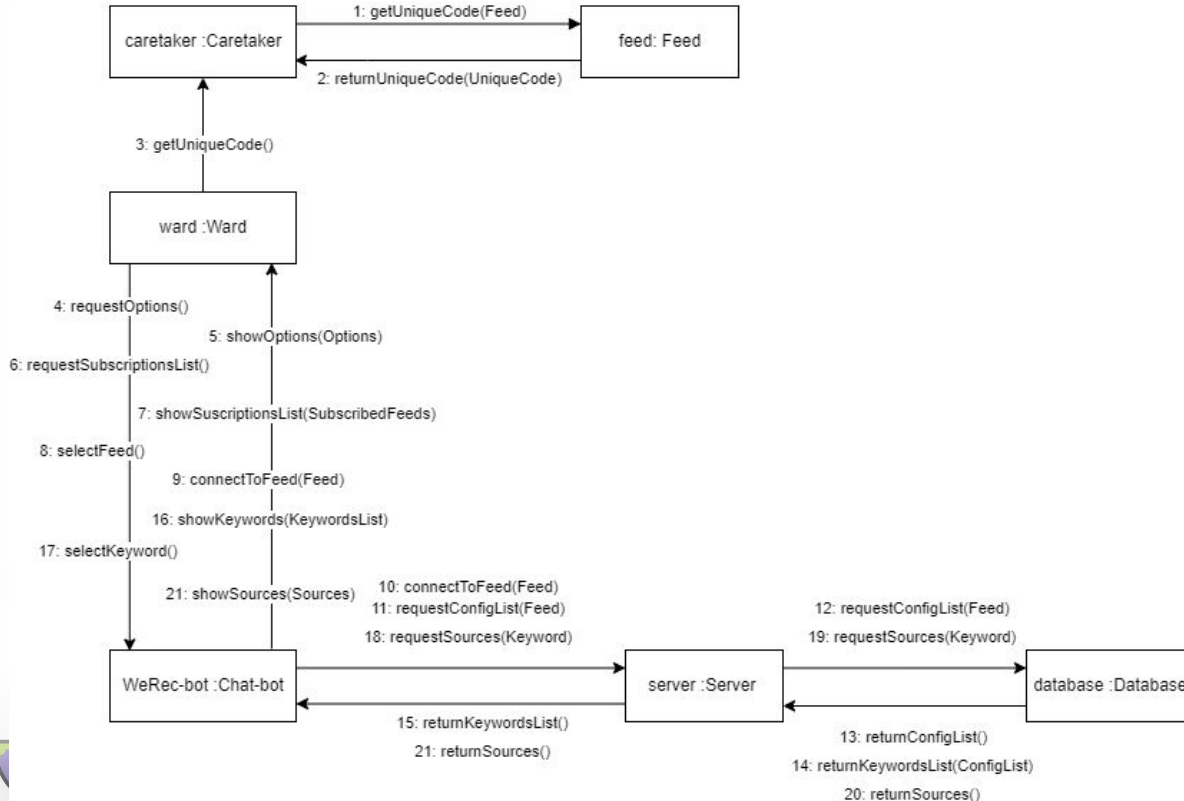# Interaction analysis. Cooperation diagram for "Create video feed"
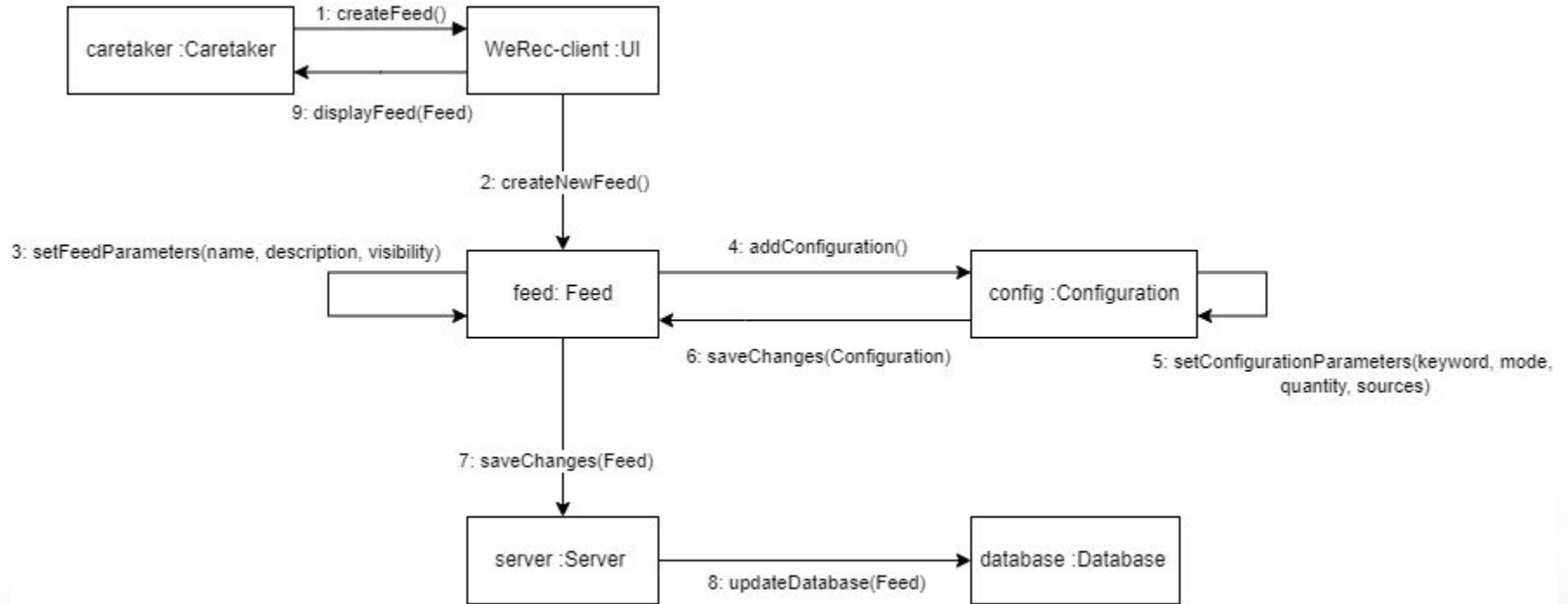
Interaction analysis

UseCase "Get feed videos"

Feed	
knows feed_id knows name knows visibility knows description knows configs_list knows unique_code	Caretaker

Database	
stores feed_id stores configs_list stores keywords_list stores sources_list stores number_of_videos	Feed Configuration

Chat-bot	
knows bot_link knows options knows subscribed_feeds knows connected_feed_id sends unique code to server gets configs_list gets keywords_list	Server

Caretaker	
gets unique code knows user_id knows feed_id	Feed

Ward	
gets unique code connects to bot gets bot options get list of subscribed feeds connects to feed get keywords_list select keyword	Caretaker Chat-bot

Server	
knows unique code gets feed_id gets configs_list gets keywords_list	Feed

Interaction analysis. Cooperation diagram for "Get feed videos"

Updated class diagram