Smart Room Service Set at Petrozavodsk State University: Initial State

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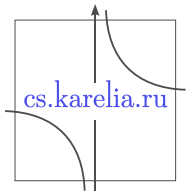
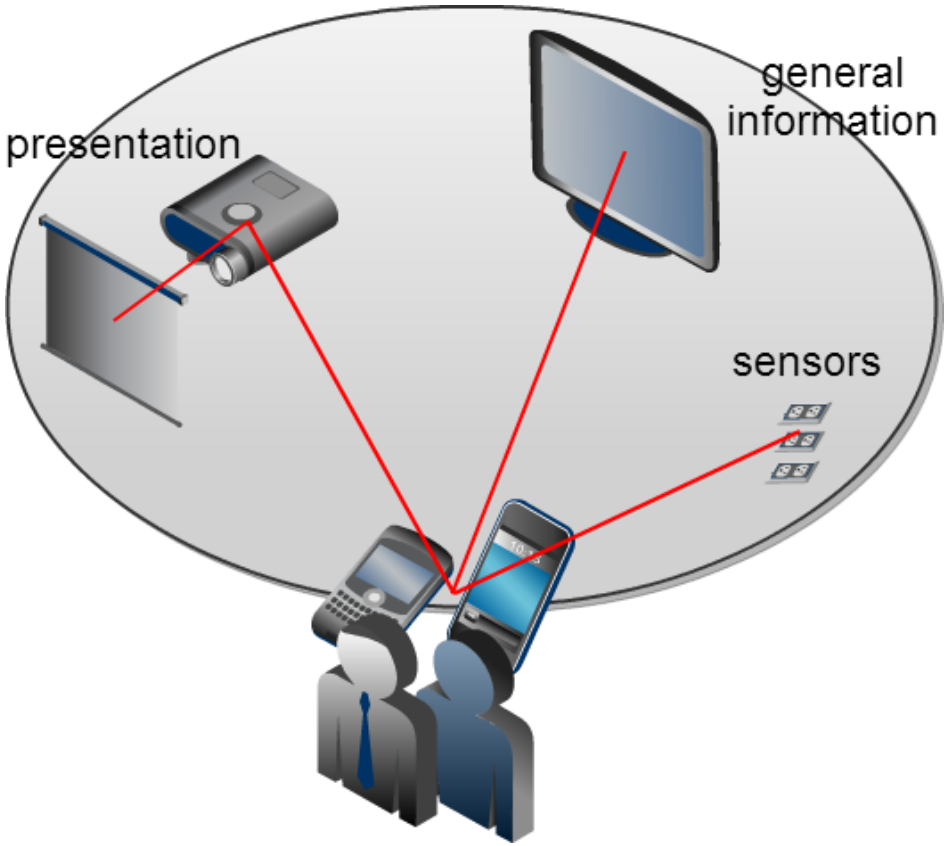


Smart Room at PetrSU

- holding automated conferences, meetings, and lectures
- personalized interaction with room visitor
- participating of visitors via mobile devices



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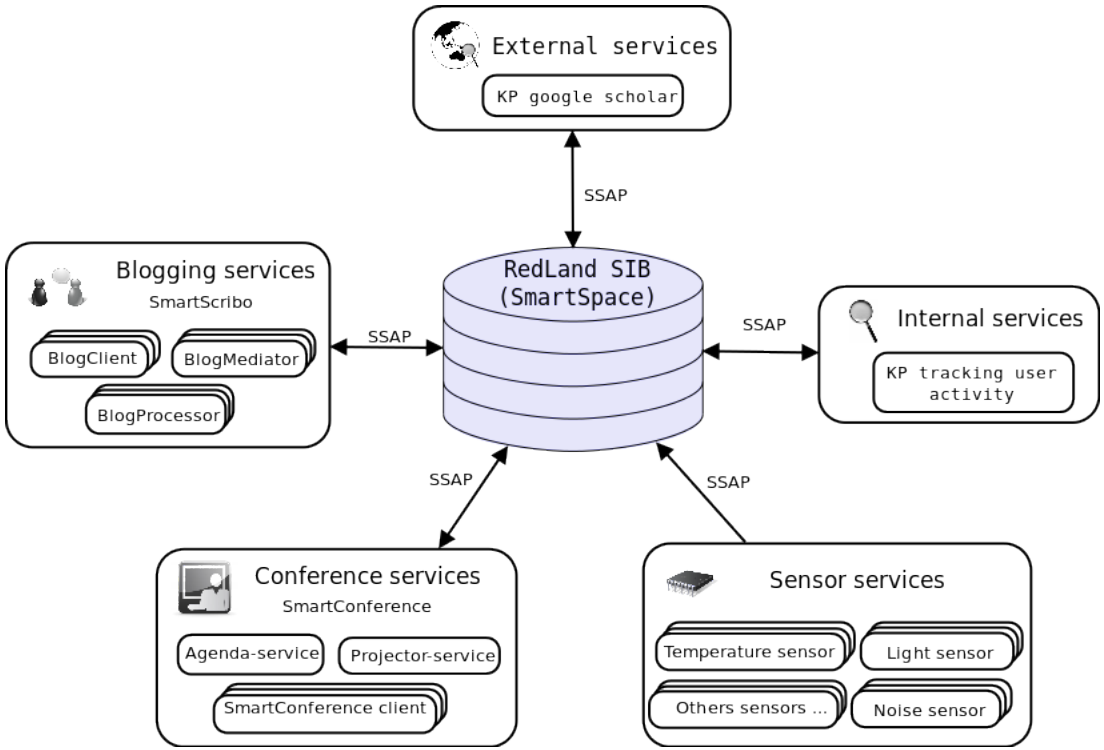
Service set concept

- service performs functions on client demand and/or provides information related to specific component of the room
- some set of services are available at the moment and are offered (personalized) to participants in the room
- services can be accessed from client installed on mobile devices
- service types: smart conference services, internal services, external services



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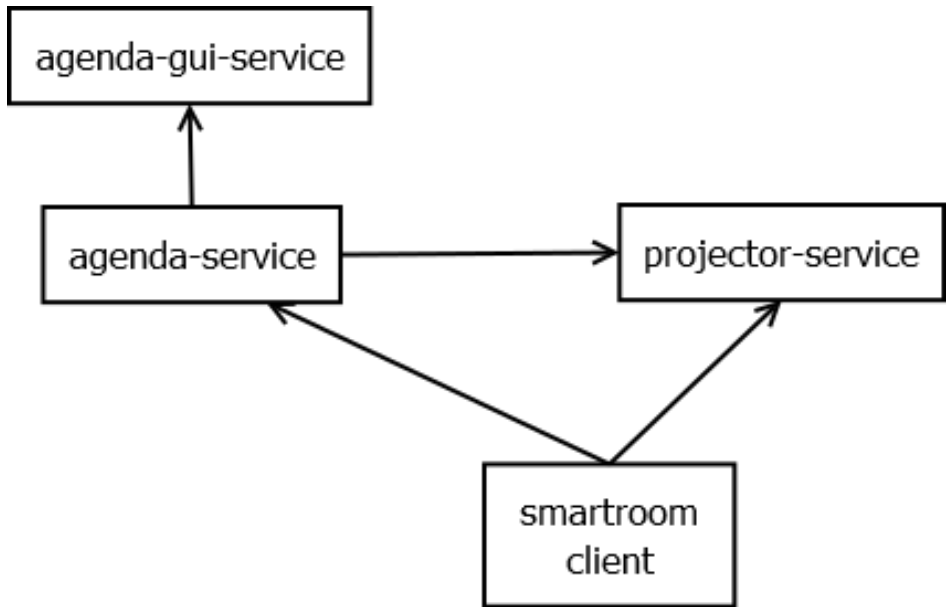
SmartConference services

The idea was borrowed from SPIIRAS SmartConference and adopted to service set concept

- agenda service (manages conference)
- agenda GUI service (displays conference information)
- projector service (displays current presentation)



These services will be demonstrated on next session!

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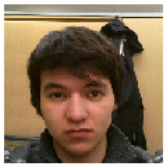
Agenda GUI

Photo	Time	Speaker	Presentation title	Information
	12:30 - 12:45	Aleksandr Lomov	SmartSlog Session Scheme for Smart-M3 Applications	Email: lomov@cs.karelia.ru Phone: Not specified Interests: Semantic Web, Ontological modeling, autom... sowtware engineering
Speaker is absent	12:45 - 13:00	Kirill Yudenok	Distributed service environment (smart spaces) security model development	
Speaker is absent	13:00 - 13:15	Ilya Nikolaevskiy	Securing Interactions of Smart Objects in Smart-M3 Spaces	
	13:15 - 13:30	Rustam Kadirov	Sensors In a Smat Room: Preliminary Study	
	13:30 - 13:45	Francesco Morandi	RedSib:a Smart-M3 Semantic Information Broker Implementatio	

7:30

this speaker is absent

the current presentation is highlighted

presentation ending timer

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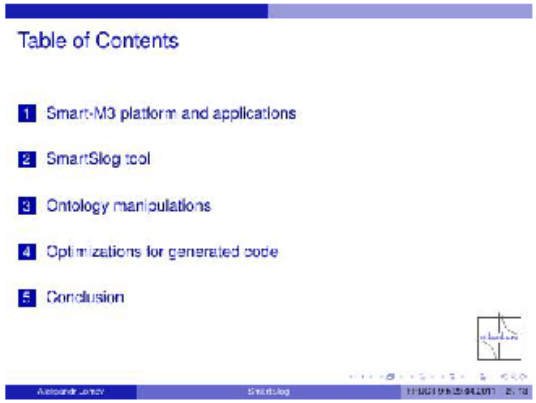
Future improvement: several data panels (agenda, person information, sensors, etc) and dynamic panel layout

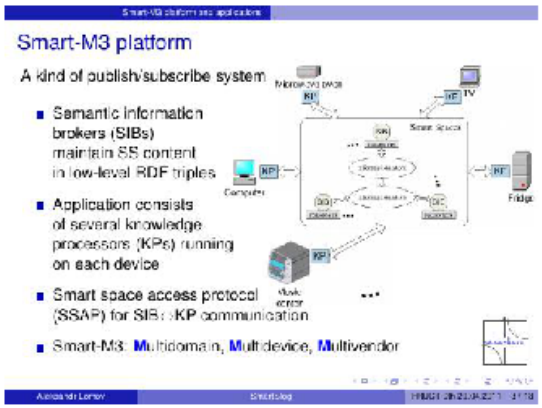
Projector

slide 1

slide 2



slide 3



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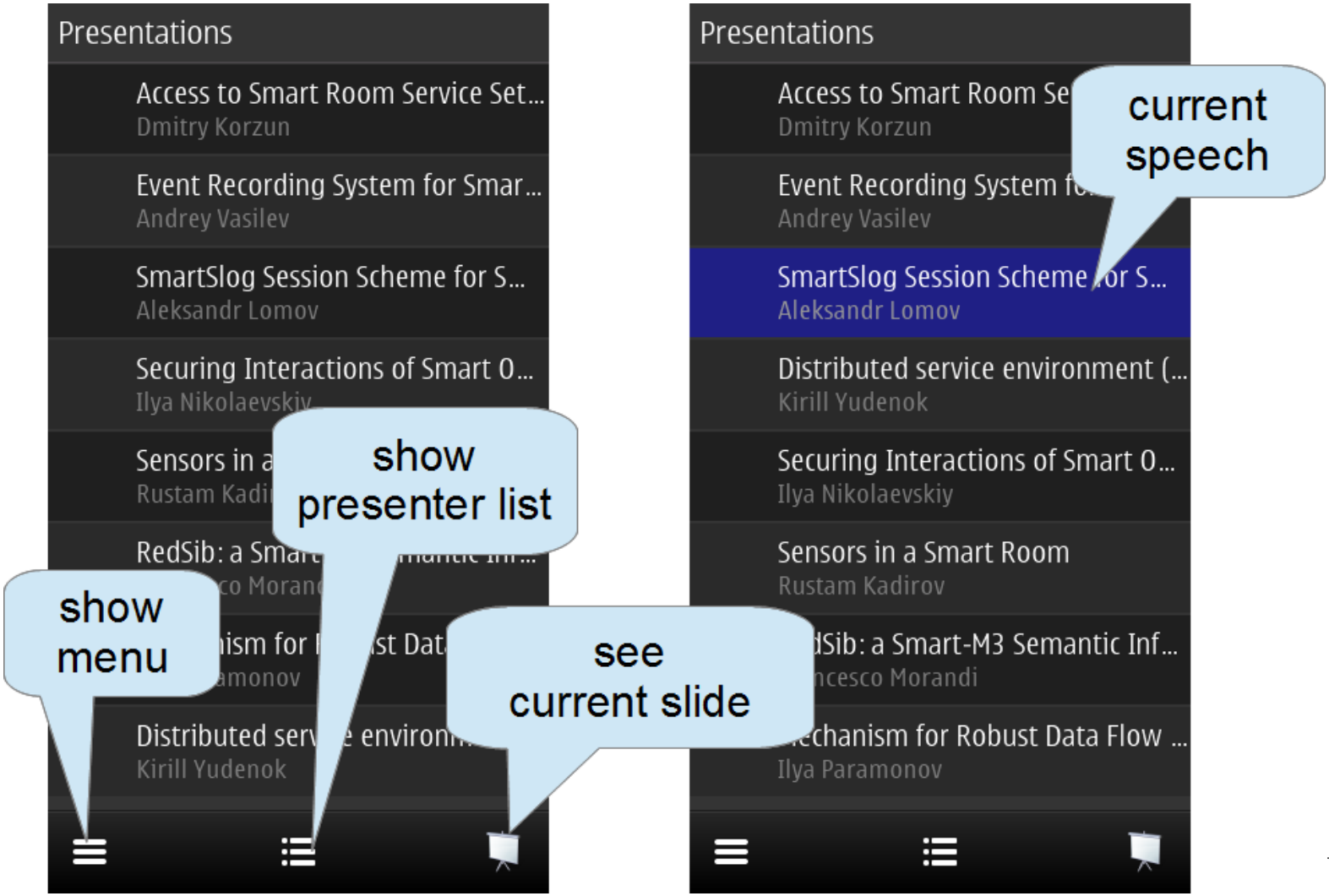
Client: presenters list



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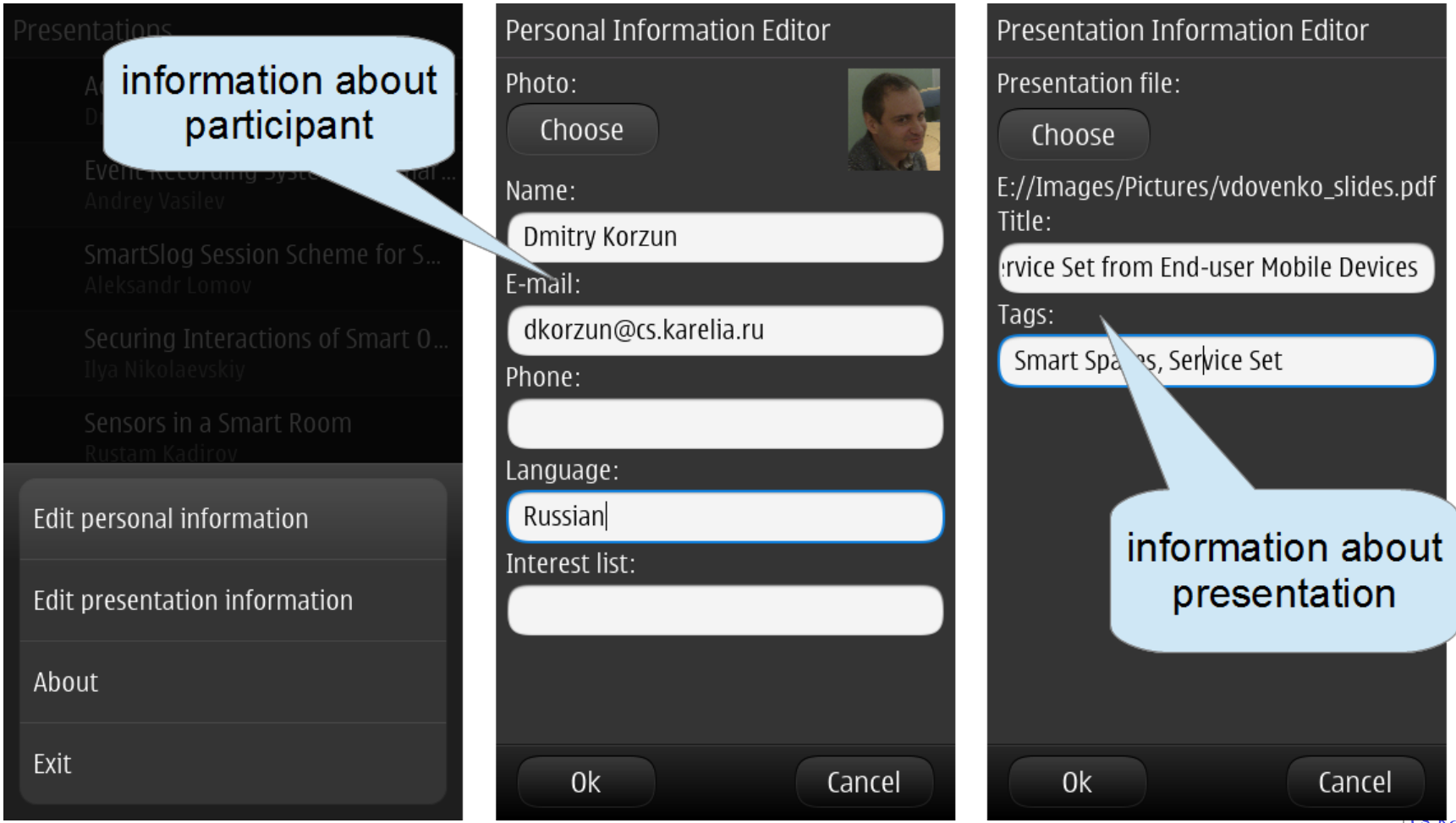
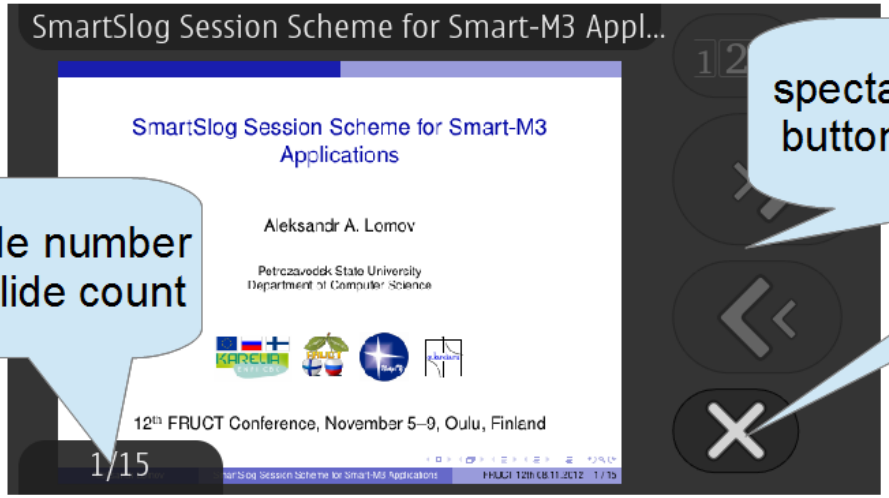
Client: profile editor

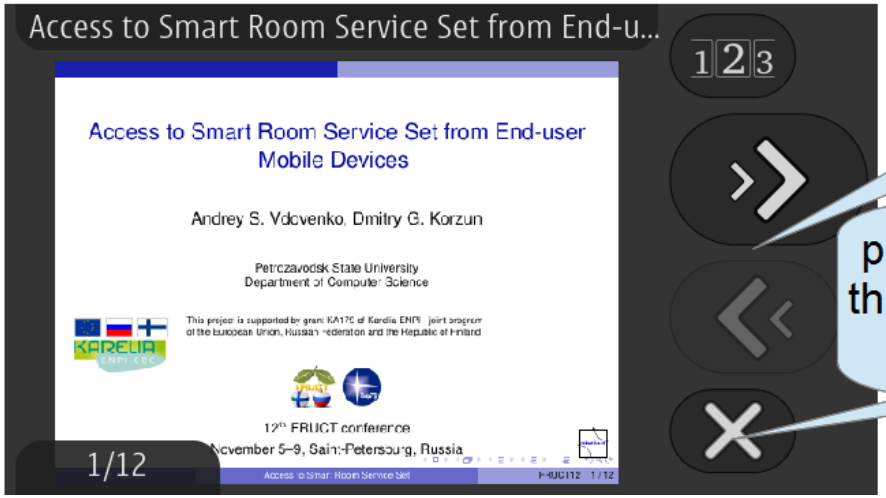


Client: slide viewer

spectator:



presenter:



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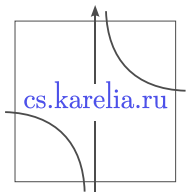
Conclusion

- smart room architecture, ontology and other high-level solutions that support service set concept
- initial prototype of conference services, see our demo on session: Smart Space Technologies (after lunch)
- recent phase (listen our talks in the next session):
  - waiting for equipment (sensors, whiteboards, etc)
  - new client is being developed
  - advanced functionality and scenarios