

Web Application for Managing Shared Decisions during the Treatment of Schizophrenia

Jakob Waibel, 31.05.2021, Bachelor Thesis KickOff presentation

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Treatment of Schizophrenia with antipsychotics

- Several side effects at various risks
- Patients' tolerance to side effects varies
- Balancing efficacy and endurability of the treatment is important for its success

Shared Decision Making

Doctor



Patient

Goal

- Present scientific data of the antipsychotics comprehensibly
- Facilitate comparison to weigh up efficacy and side effects
- **Help making better medication selection**

RQ 1

What are the requirements for a web application that supports the shared decision-making process of patients and psychiatrists in the treatment of schizophrenia?

RQ 2

How does the web application support the decision-making process from the patients and psychiatrist's perspective?

RQ 3

How useable is the web application from the perspective of patients and psychiatrists?

Patient

- Let the doctor know about his preferences
- Choose the antipsychotics with the most acceptable side effect

Doctor

- Bring the patient to think about what is important to him
- Communicate side effects of the medication to the patient
- Chose a safe combination of antipsychotics

Shared

- Find a medication that is effective and endurable
- Document the selected antipsychotics
- Show and record the potential risk of the chosen antipsychotics

Patient

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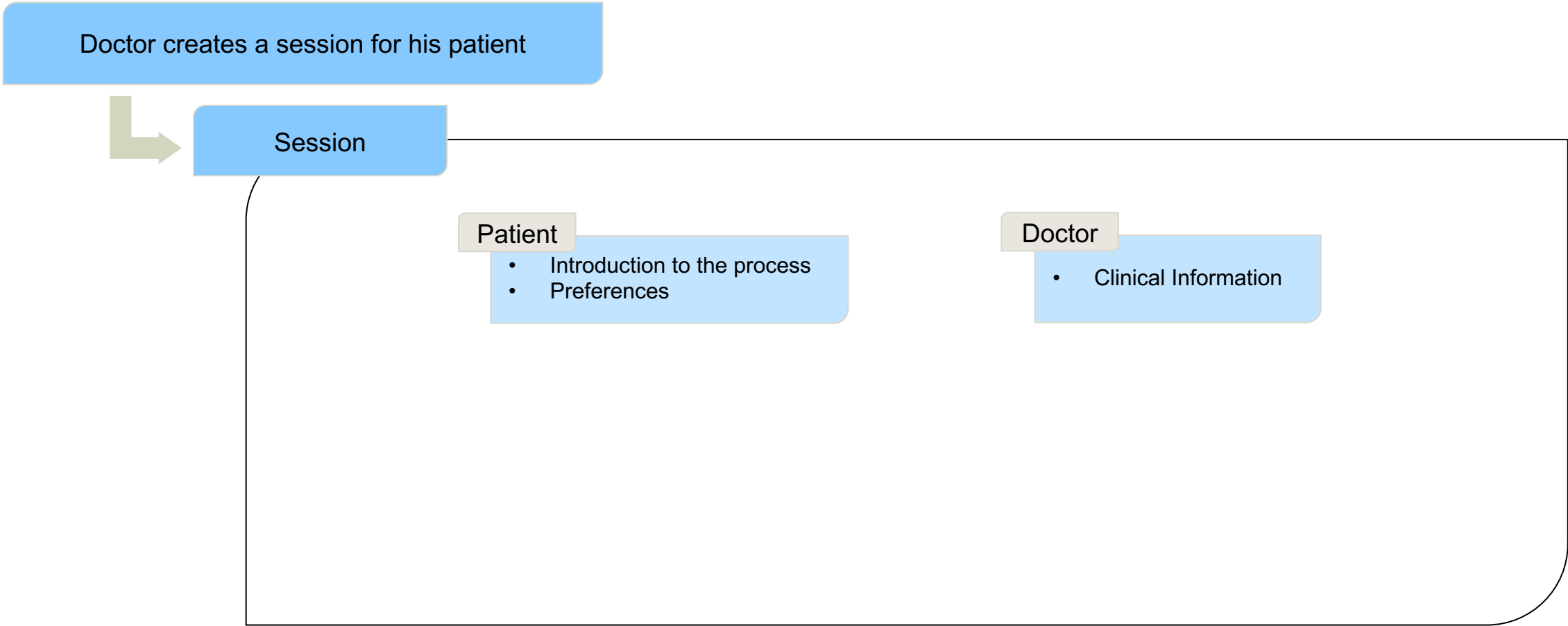
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Shared

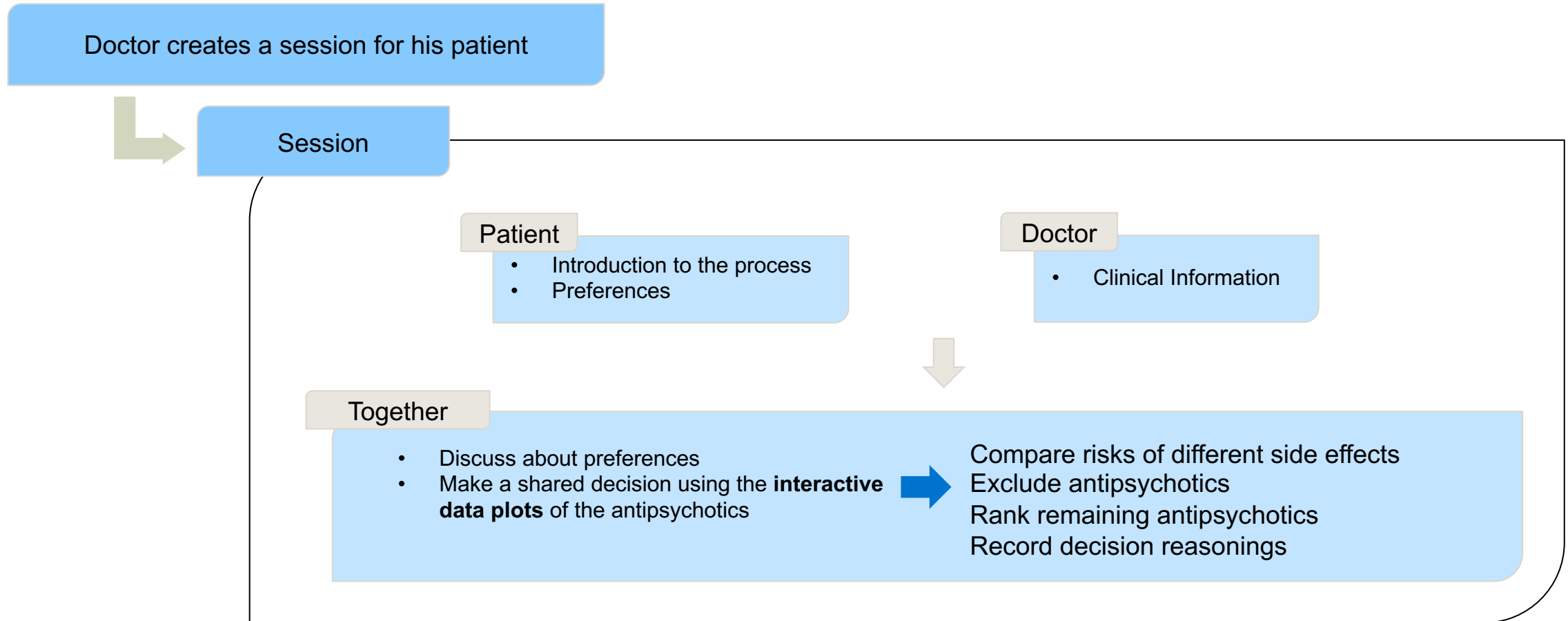
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Concept - Process

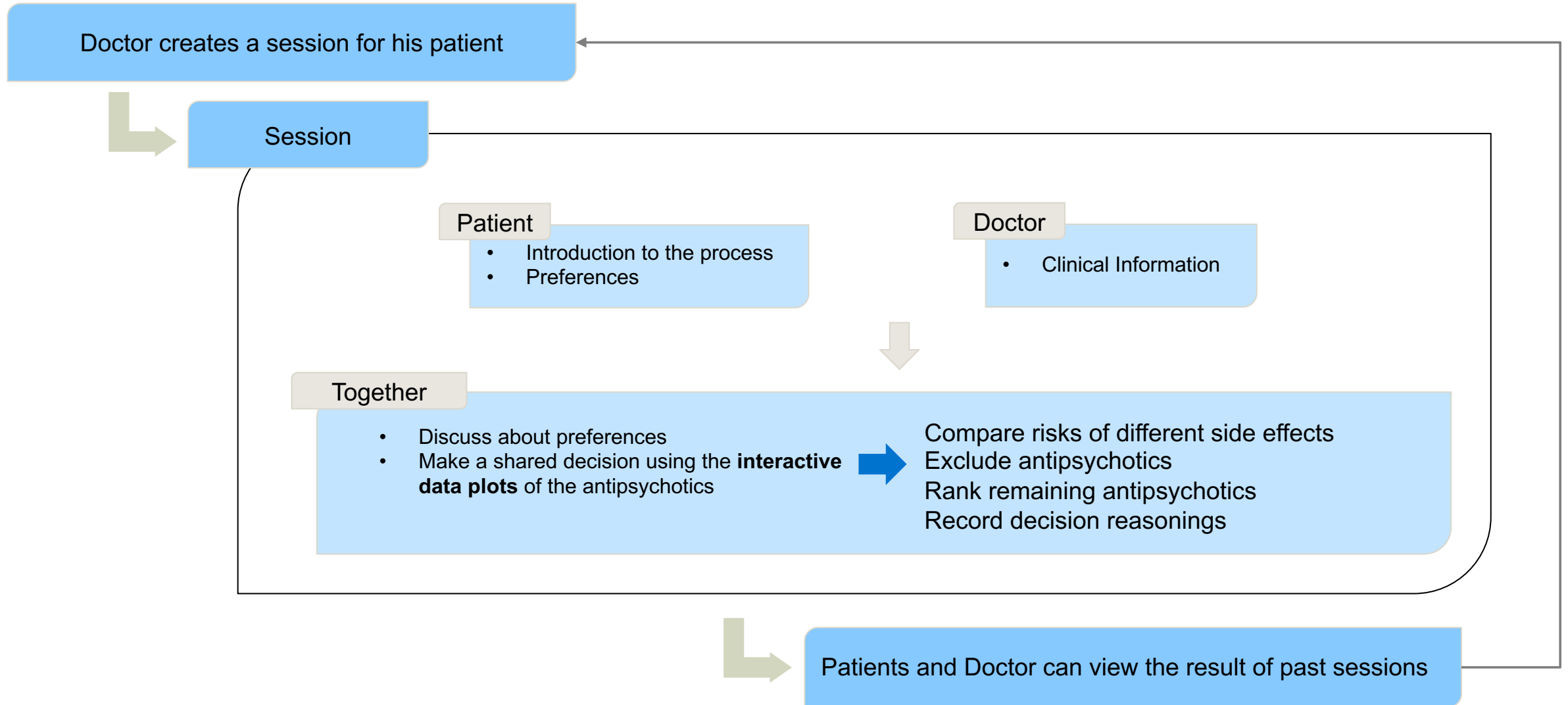
Doctor creates a session for his patient



Concept - Process



Concept - Process

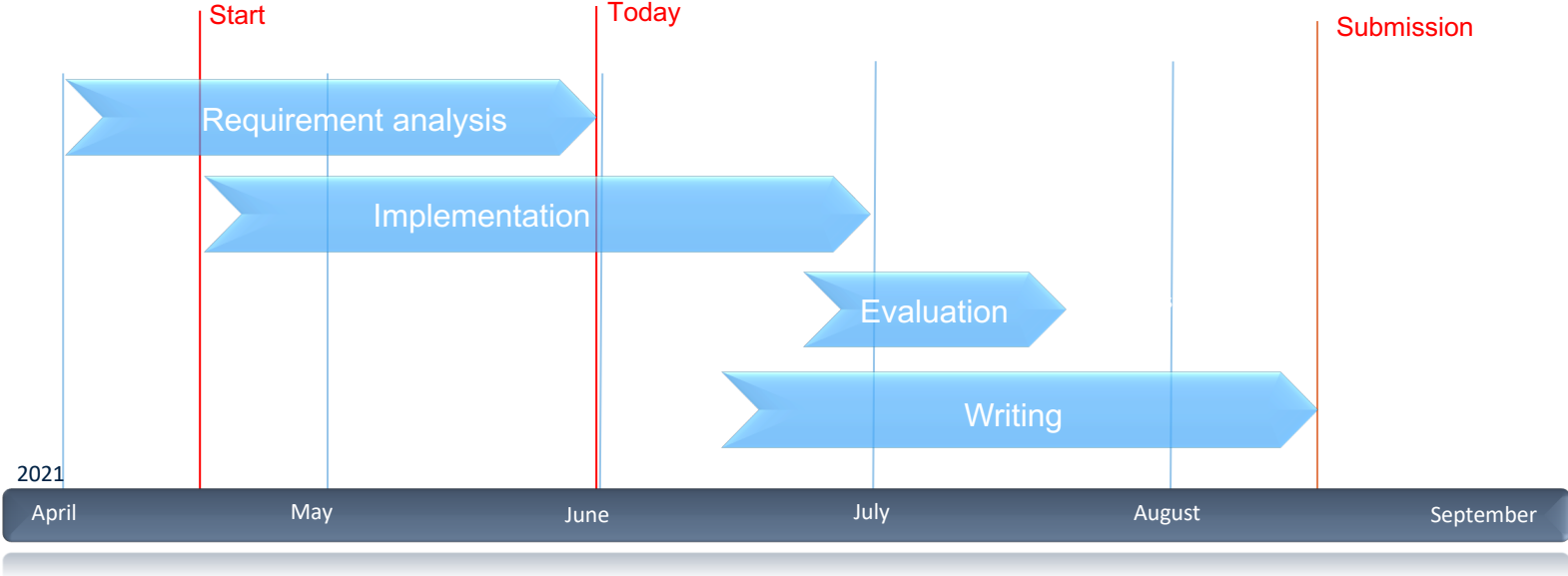


Concept – Live demo



- Test sessions with patients and psychiatrists at the MRI
- Interviews with patients and doctors
 - Do they think the application is useable?
 - System Usability Scale
 - What features do they find useful?
 - Is the application effective in helping the decision process? Why / Why not?
- Storing the sessions to analyze how often certain features are used

Timeline





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