

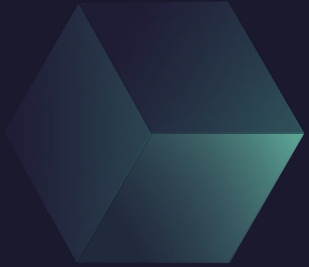


Bias Awareness using an Executive Dashboard

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November 2023

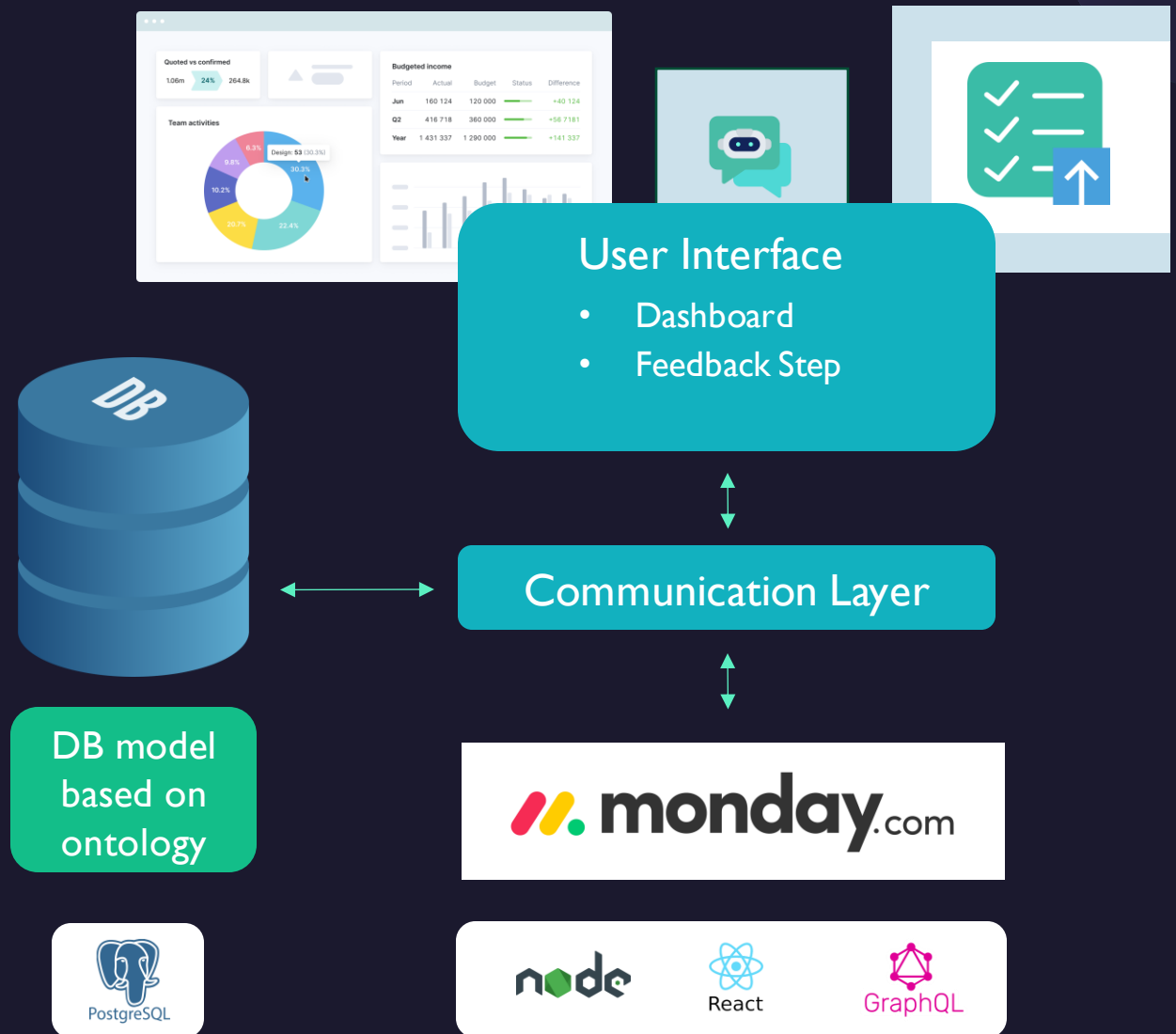




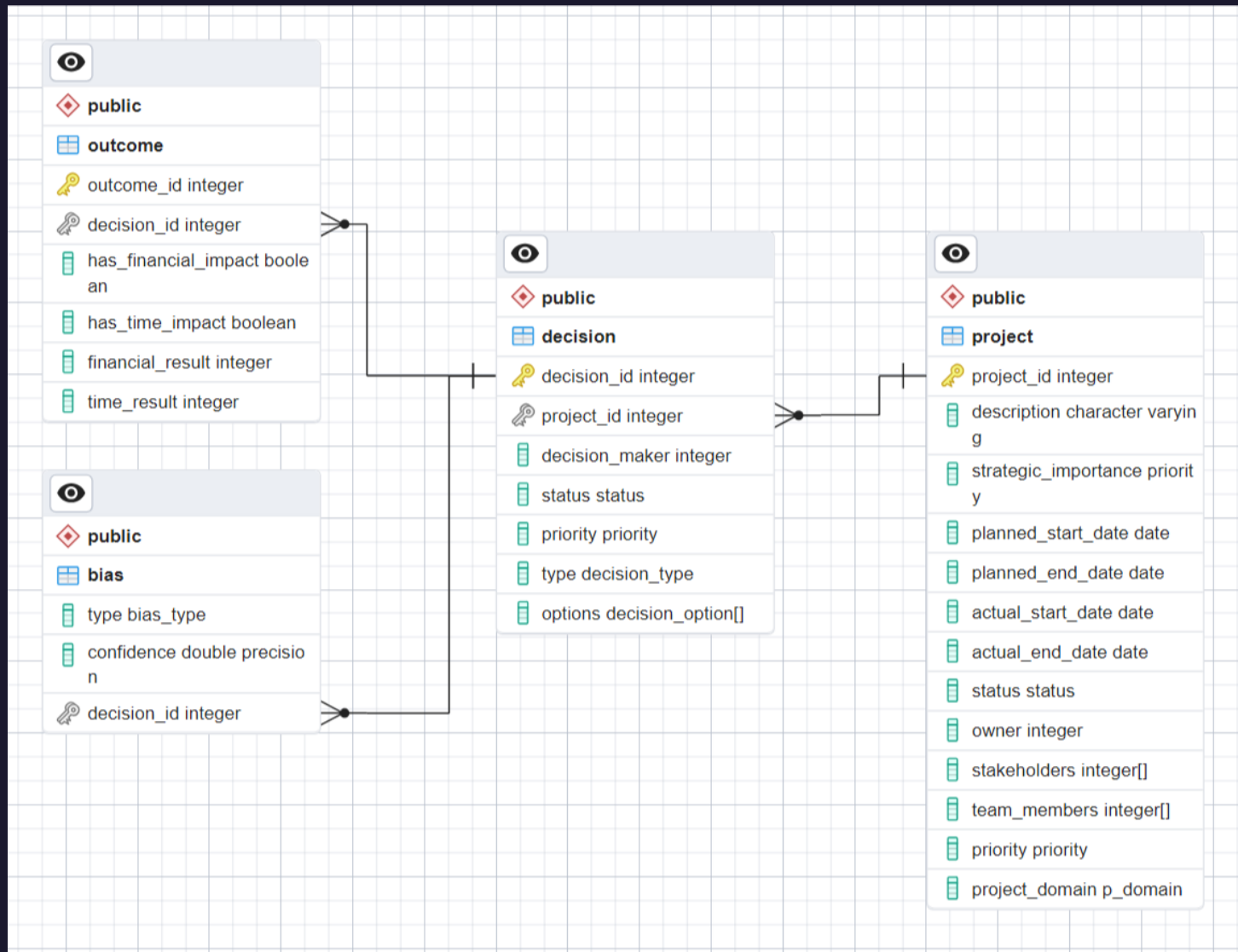
Motivation

Recap: Proposed System

- Database (PostgreSQL) based on risk/bias ontology holds record of past actions
- Integration of Dashboard into Monday.com as base-software
- Development according to the Monday.com development standards
 - Node.js for communication
 - React.js for Interface
 - Communication based on GraphQL



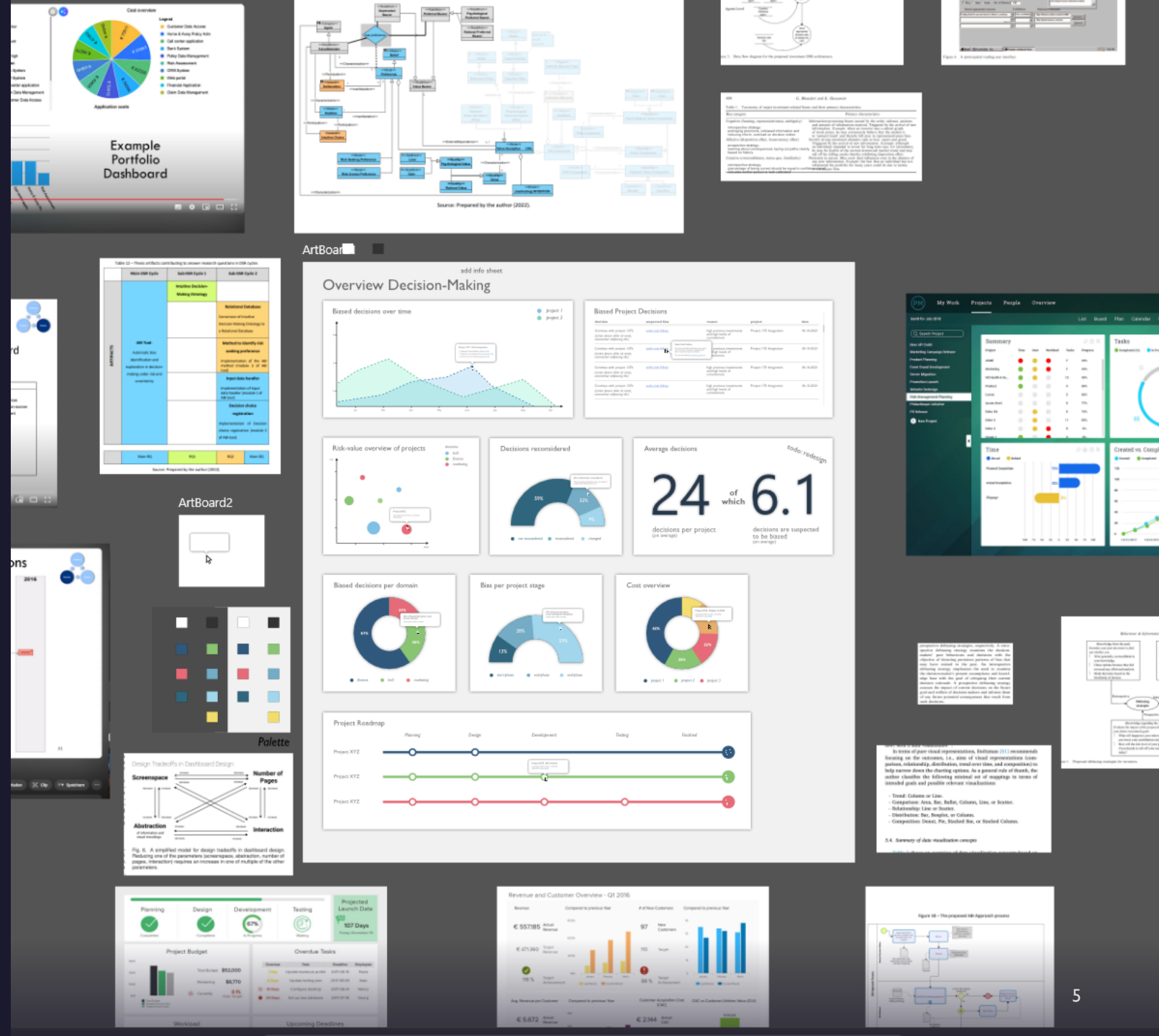
Database Model



- Based on decision ontology
- Extended with more specific project-related data
- Using pgAdmin and PostgreSQL to conform with other project parts
- To be extended and merged with remaining entities/items from existing Bias tool

Design Process

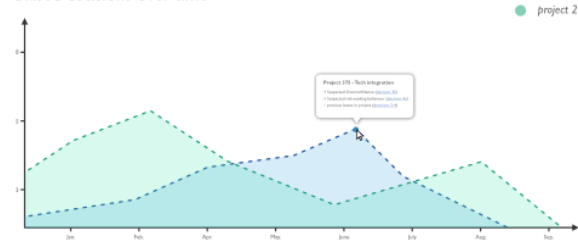
- Dashboard elements derived from DB model
- UI/UX considerations according to guidelines and findings from literature
- Validation of design and concepts through user testing



Overview Decision-Making

add info sheet

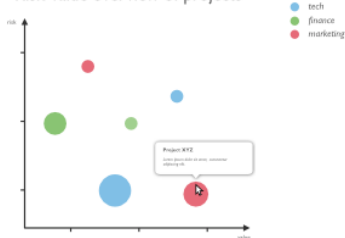
Biased decisions over time



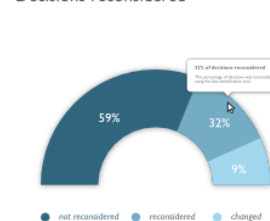
Biased Project Decisions

decision	suspected bias	reason	project	date
Continue with project 137b (Lorem ipsum dolor sit amet, consectetur adipiscing elit.)	sunk-cost fallacy	high previous investments and high levels of commitment	Project 175: Integration	18-10-2023
Continue with project 137b (Lorem ipsum dolor sit amet, consectetur adipiscing elit.)	sunk-cost fallacy	high previous investments and high levels of commitment	Project 175: Integration	18-10-2023
Continue with project 137b (Lorem ipsum dolor sit amet, consectetur adipiscing elit.)	sunk-cost fallacy	high previous investments and high levels of commitment	Project 175: Integration	18-10-2023
Continue with project 137b (Lorem ipsum dolor sit amet, consectetur adipiscing elit.)	sunk-cost fallacy	high previous investments and high levels of commitment	Project 175: Integration	18-10-2023

Risk-value overview of projects



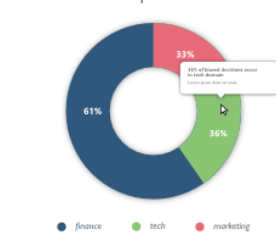
Decisions reconsidered



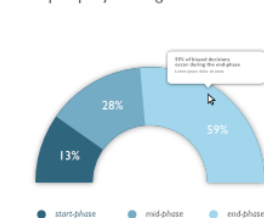
Average decisions



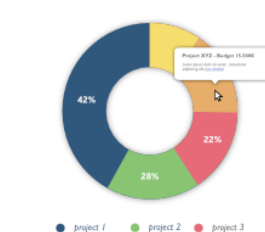
Biased decisions per domain



Bias per project stage



Cost overview

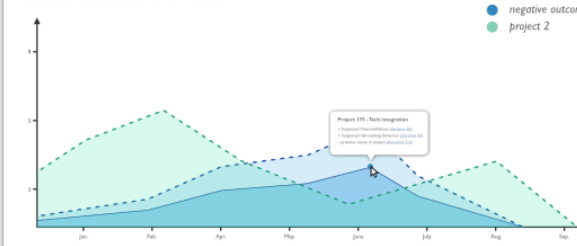


Overview Decision-Making

add context

add outcome

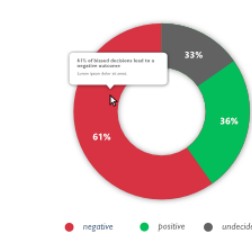
Biased decisions over time



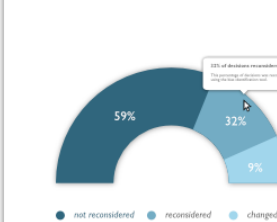
Biased Project D

decision
Continue with project 137b (Lorem ipsum dolor sit amet, consectetur adipiscing elit.)
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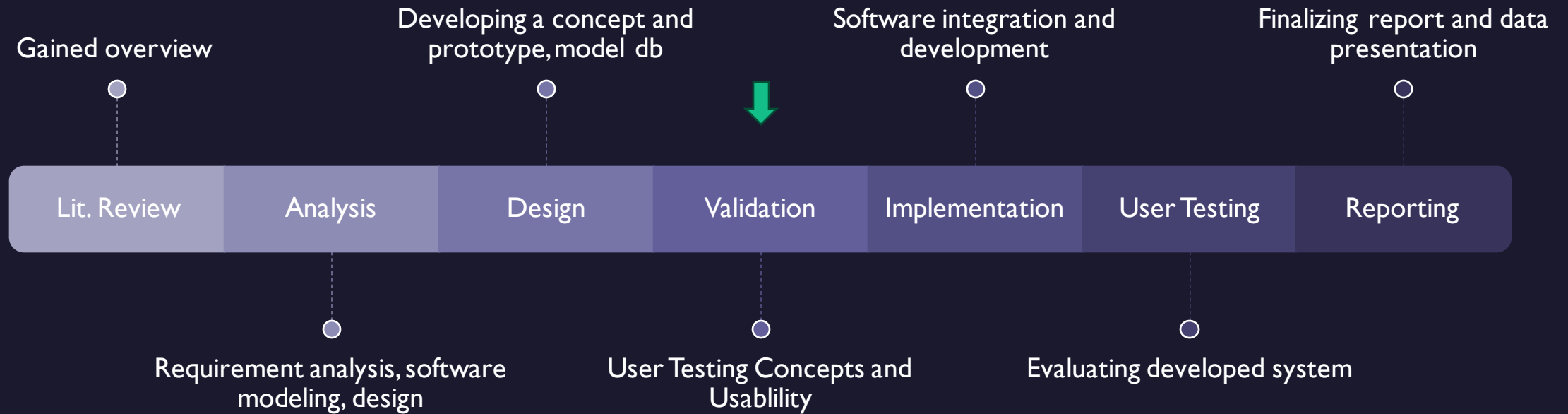
Outcome of biased decisions



Decisions reconsidered



Next Steps



Questions?

