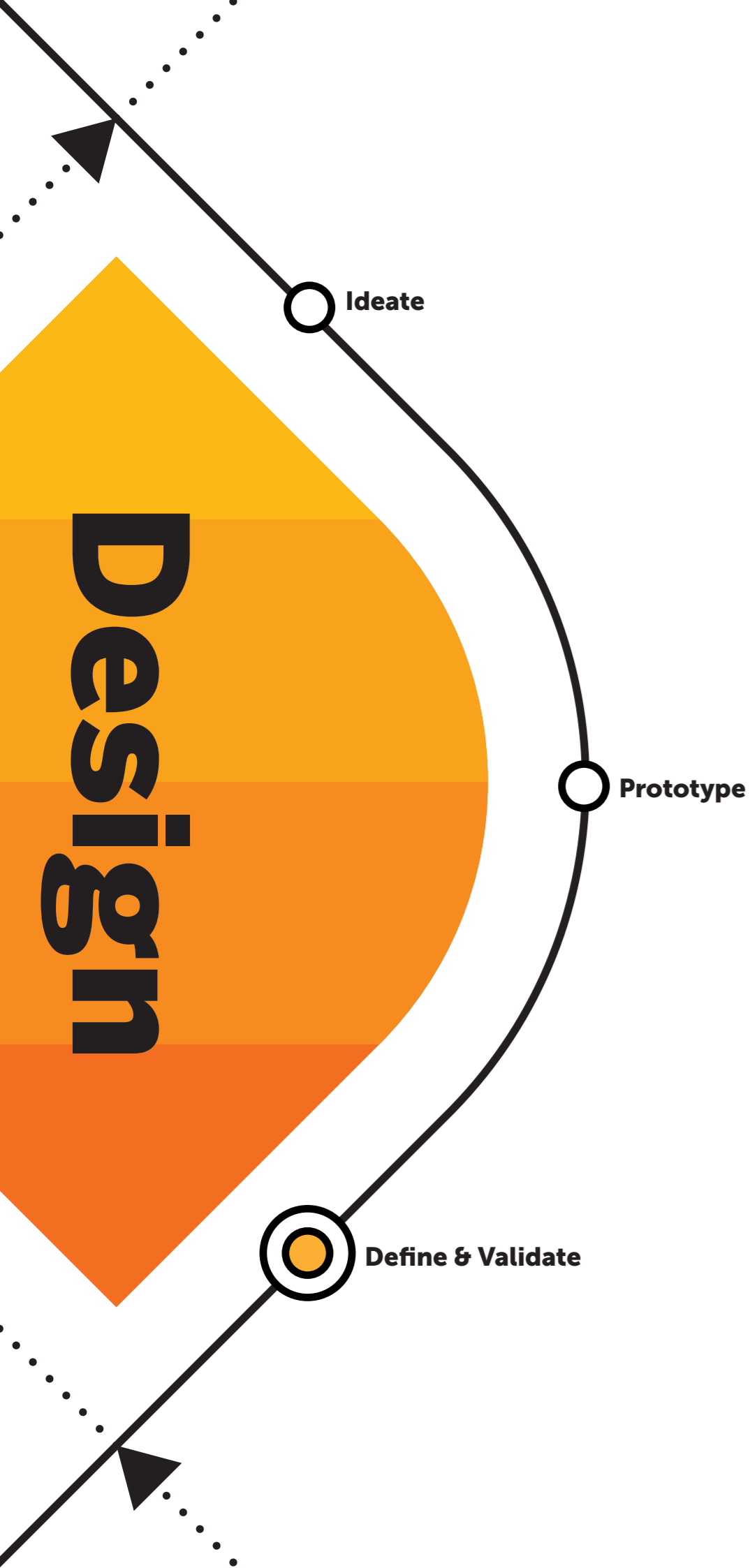# Use Case Blueprint Diagram

Pivot from Design Thinking to Architectural Thinking by mapping user actions to architectural requirements such as applications, data and specific technical features.

Ideate

Prototype

Define & Validate

Design

Why to create a
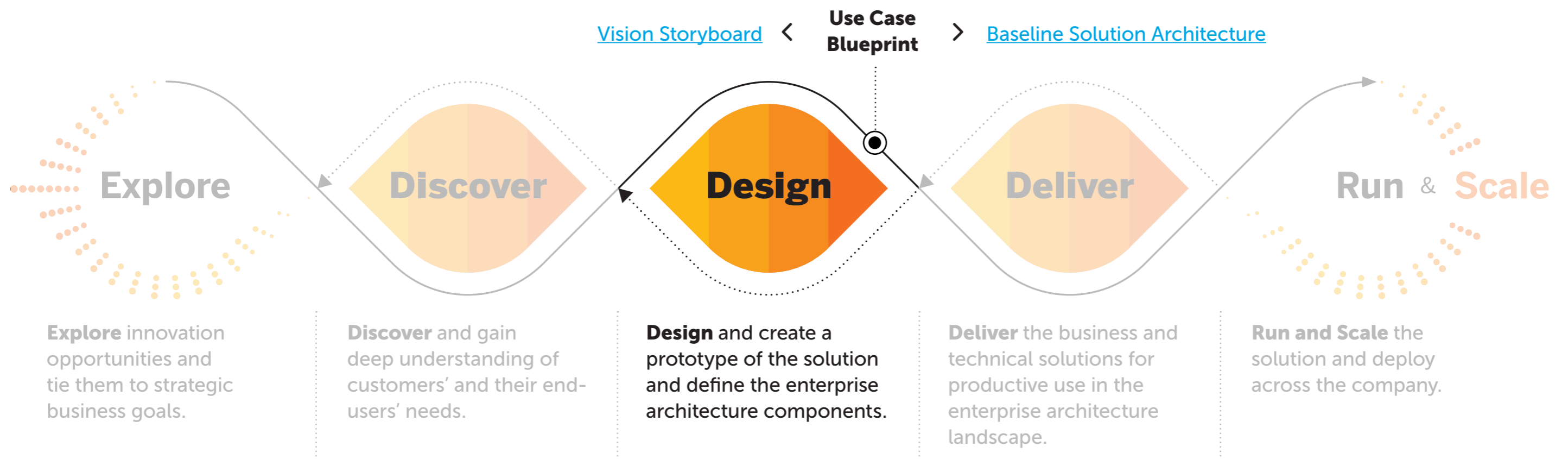## Use Case Blueprint Diagram?

The purpose of the Use-Case Blueprint Diagram is to pivot from Design Thinking to Architectural Thinking. User-centric actions are mapped to technical aspects of the architecture, such as data, systems, and technical capabilities.

The Use-Case Blueprint diagram, with its user centricity, is the bridge to creative thinking and the Design Thinking methodology. In case you want to add more user-centricity and usability focus to your architecture, you can find additional methods under the Design Thinking category.

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When to create a
Use Case Blueprint Diagram?

The Use Case Blueprint Diagram is used during the Design phase to define the to-be scenario in detail. Once you have defined a to-be scenario for your solution, this activity helps you to specify the actions taken at each step by the different users or personas, identify which data and what applications are required for each user-action, and identify technical capabilities required for each user-action along the scenario.

Vision Storyboard $\langle$ **Use Case Blueprint** $\rangle$ Baseline Solution Architecture

Explore

Discover

Design

Deliver

Run & Scale

Explore innovation opportunities and tie them to strategic business goals.

Discover and gain deep understanding of customers' and their end-users' needs.

Design and create a prototype of the solution and define the enterprise architecture components.

Deliver the business and technical solutions for productive use in the enterprise architecture landscape.

Run and Scale the solution and deploy across the company.

Lear more about SAP's Human-Centered Approach to Innovation: https://experience.sap.com/designservices/approach

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How to create a
Use Case Blueprint Diagram?

Duration
60 - 90 Minutes

Participation
3 - 5 People

Roles
Designers, Architects

Use input from
- **Statement of Architecture Work**
- **Stakeholder Matrix**
- **Solution Context**
- **Vision Storyboard**

Steps

0 **Target Scenario:** Create a storyboard showing how the target user interacts with the target solution. You can do this using the Vision Storyboard method. Once the storyboard is created, place the different scenes one after the other horizontally on a surface.

1 **Actions:** Under each Scene, write the actions performed by each persona in the system. Use a different color per persona or indicate the persona name for each action.

2 **Required Data + Systems and Applications:** indcate the technical requirements that need to be met in order to realize the user actions: What data is required for the actions in the scenes? Which applications and IT systems are involved in the user actions?

3 **Technical Capabilities:** Based on your experience, add technical capabilities that are required at a specific step or action, like IoT data ingestion, a chatbot or a workflow service, for example.
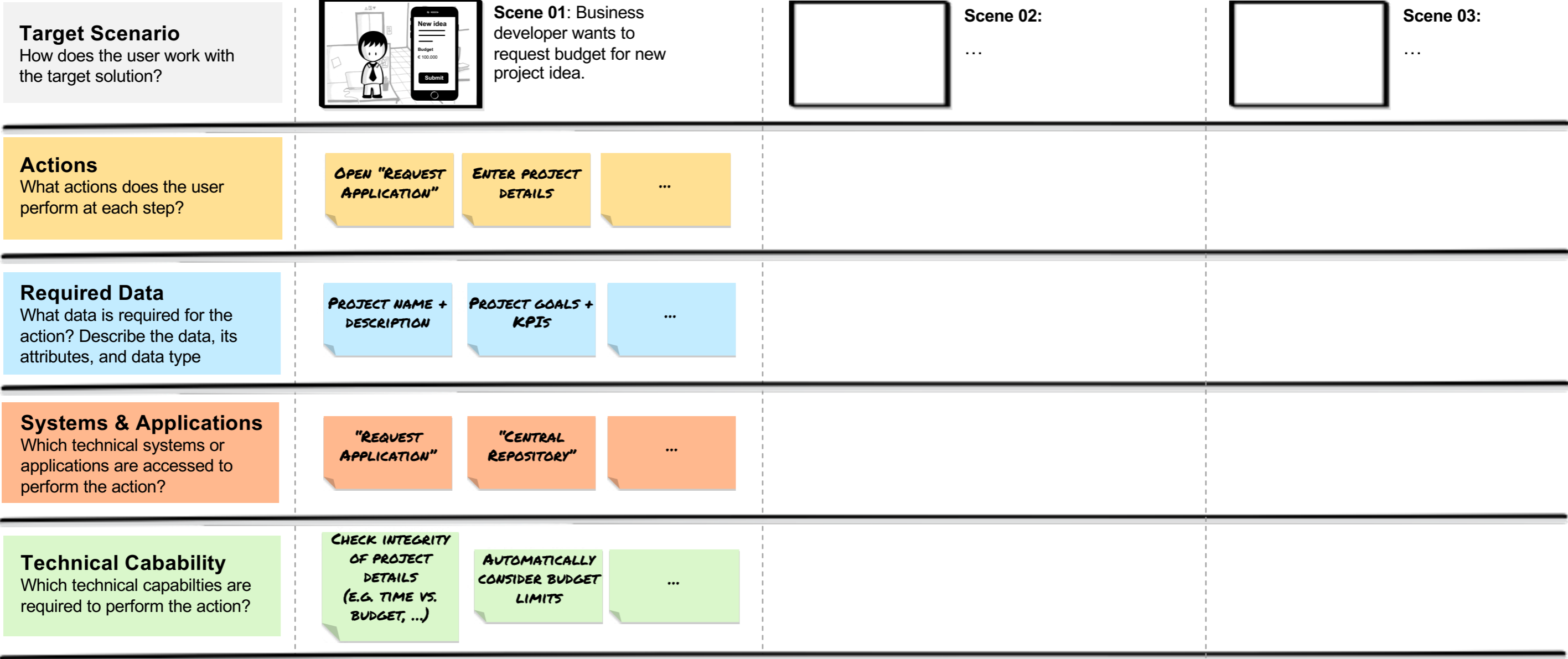
Expert Tips

Create one Use-Case Blueprint Diagram per user and per key objective of this user. As this can clearly be a lot of work, you might want to choose the most valuable objective and user combination and will not do all possible combinations.
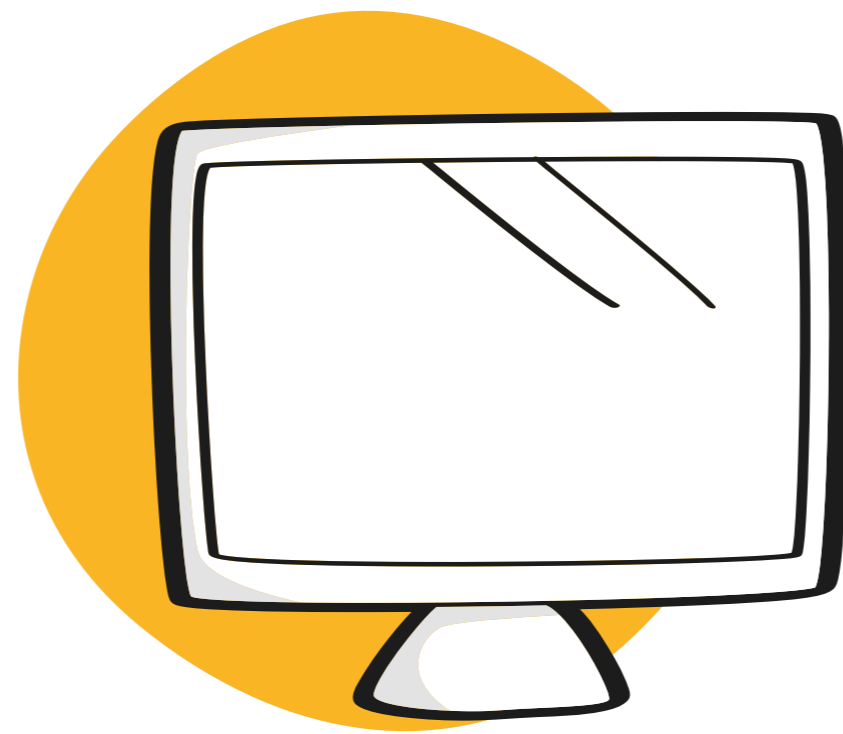
You will re-use information from the Use-Case Blueprint Diagram at later steps in the technical architecture domain. For example, the data identified, helps to understand the information flow, which is represented in the Solution Concept and the Solution Realization Diagram. Also, the identified data serves as input for the Conceptual Data Diagram.

The identified applications are used for the creation of Baseline Solution Architecture, the Solution Concept and Solution Realization Diagram. The identified technical capabilities support the choice of Solution Building Blocks.

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Example
Use Case Blueprint Diagram

Target Scenario How does the user work with the target solution?	**Scene 01**: Business developer wants to request budget for new project idea.	**Scene 02**: ...	**Scene 03**: ...
Actions What actions does the user perform at each step?	Open "Request Application" Enter project details ...		
Required Data What data is required for the action? Describe the data, its attributes, and data type	Project name + description Project goals + KPIs ...		
Systems & Applications Which technical systems or applications are accessed to perform the action?	"Request Application" "Central Repository" ...		
Technical Cability Which technical capabilties are required to perform the action?	Check integrity of project details (e.g. time vs. budget, ...) Automatically consider budget limits ...		

Virtual Collaboration Template

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MURAL Template
Use Case Blueprint

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