BPMN – A MODERN WORKFLOW MANAGEMENT SYSTEM FOR DIGITAL BANKING

Sparkasse

The Sparkassen-Finanzgruppe is a network of public banks that together form the largest financial services group in Germany and in all of Europe.

They originated in Europe during the 18th century with the aim of providing access to savings products to all levels in the population

With 14000+ Bank Branches and 50 million+ user base, Its activity is overwhelmingly located in Germany.

OBJECTIVES

We were employed to improve & simplify their Business processes & Operational Infrastructure in the form of smart Workflow diagrams using **BPMN tools** and algorithms.
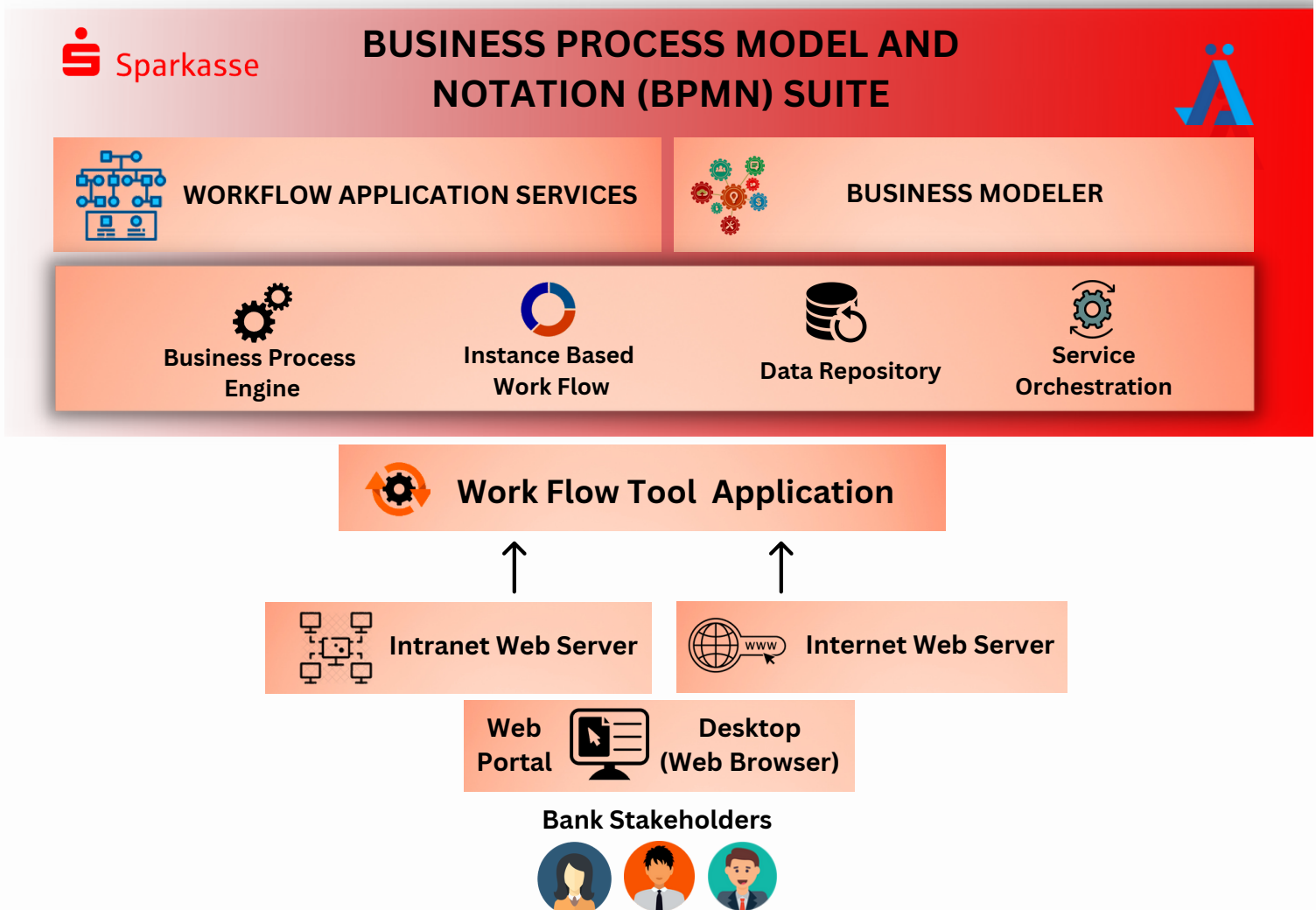
A Codeless system was required.

PHP Laravel based codeless system was created for a better layout of process models and a higher degree of understanding.
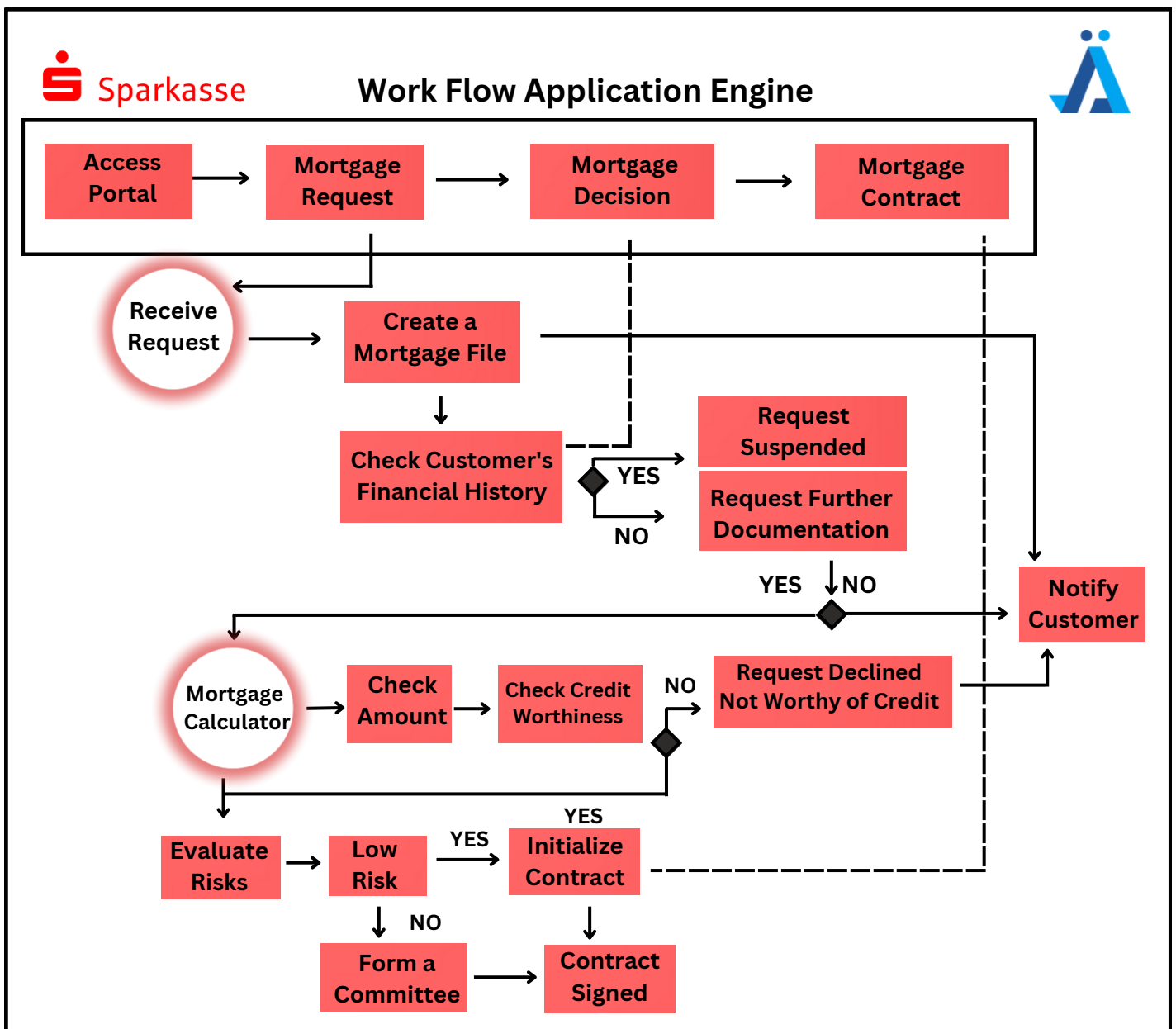
SOLUTIONS

- We made the system capable of reading JSON data and automatically developing a Smart Workflow for each Business Process in JSON file.
- The client provides each Business Process in a JSON file that is converted into a Workflow Diagram using custom-coded Algorithms that create precisely.

- Nodes for each Work-Step are connected with predefined distant flows, programmed to adjust the overall workflow structure based on the number of work steps involved.
- Drag and drop was carried out by the tool set, then created a flow.
- Two models were connected through controllers.

BUSINESS VALUE

- Improved process communication.
- Increased operational efficiency.
- More control and Standardized processes.
- A workflow management system was created to digitize the contract management system of Sparkasse.

CHALLANGES

- To make Logic at the backend.
- To connect models through controllers in proper sequence.
- Micro-management was required because of the diversity of the project.
- To create Code in the Runtime.

SKILL SET

PHP Laravel **MYSQL DataBase** **BPMN.io**

AI Machine Learning **JSON**