

**YOUR COMPANY NAME
and/or LOGO HERE!**

FIS Architecture Vision Project

CIS 8676- Spring 2021

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Document Information

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1 Purpose of this Document

<<Hint: Describing the architecture of an enterprise aims primarily to improve the effectiveness or efficiency of the business itself. This includes innovations in the structure of an organization, the centralization or federation of business processes, the quality and timeliness of business information, or ensuring that money spent on information technology (IT) can be justified.>>

This Architecture Vision was created early on in the project lifecycle and provides a high-level, aspirational view of the end architecture product that we propose. The purpose of the vision is for all stakeholders to agree at the outset what the desired outcome should be for the architecture, so that our architects can then focus on the critical areas to validate feasibility. Providing an Architecture Vision also supports our stakeholder communication by providing your company an executive summary version of the full Architecture Definition.

<<This template shows “typical” contents of an Architecture Vision but can be adapted to align with any adaptation as require.>>

2 Problem Description

<< (Hint – Expand on AV Draft) >>

2.1 Stakeholders and their Concerns

<<The purpose of this section is to describe the stakeholders for the vision together with any concerns they may have.>>

In terms of quality criteria, this section should make clear:

- a. Any stakeholder concerns about the business
- b. Any stakeholder concerns about the exercise being undertaken>>

2.2 List of Issues/Scenarios to be Addressed

<<The purpose of this section is to define the business context and problem description for which the vision of the target architecture has been produced.>>

2.3 Business Vision Statement

<<The purpose of this section is to define the business's vision statement of what the target architecture should look like. In terms of quality criteria, this section should make clear based on your interviews with the client.>>

2.4 Required Operating Model Changes

<<The purpose of this section is to provide one or more descriptions that explain the business context and why the business problem is driving the need for a new operating model. This is required in order to obtain senior executive engagement and buy-in for this activity.

2.5 Change Drivers & Opportunities

<<The purpose of section is to identify the change drivers and opportunities behind this vision for the proposed new architecture In terms of quality criteria, this section should make clear:

- a. *Change drivers that will impact decisions made for the target architecture*
- b. *Opportunities that can be leveraged for the target architecture>>*

3 Detailed Objectives

<<The purpose of this section is to describe the detailed objectives that need to be fulfilled by the target architecture. The previous section looks at the business problem, whereas this section determines the objectives, for the architecture solution, that will resolve the business problem. In terms of quality criteria, this section should make clear:

- a. Business objectives to resolve the business problem*
- b. Technology objectives, such as decommissioning, outsourcing, etc>>*

4 Environment and Process Models

*<<The purpose of this section is to outline the **business and process models** that are in scope for the target architecture. In terms of quality criteria, this section should make clear:*

- a. Business processes that are in scope for the vision*
- b. Business and technology environment in scope for the vision*
- c. Users who interact with the business process*
- d. Information flows for the business processes>>*

4.1 Process Description

*<<The purpose of this section is to outline the **business processes** that are in scope and thus impacted by the target architecture. In terms of quality criteria, this section should make clear:*

- a. Business processes that are in scope for the vision*
- b. If needed, high-level diagram(s) of business processes can be used>>*

4.2 Process Steps Mapped to Environment

<<The purpose of this section is to cross-reference the business processes, in scope, to the business and technology environments. In terms of quality criteria, this section should make clear:

- a. Business environment in scope for the vision*
- b. Technology environment in scope for the vision>>*

4.3 Process Steps Mapped to People

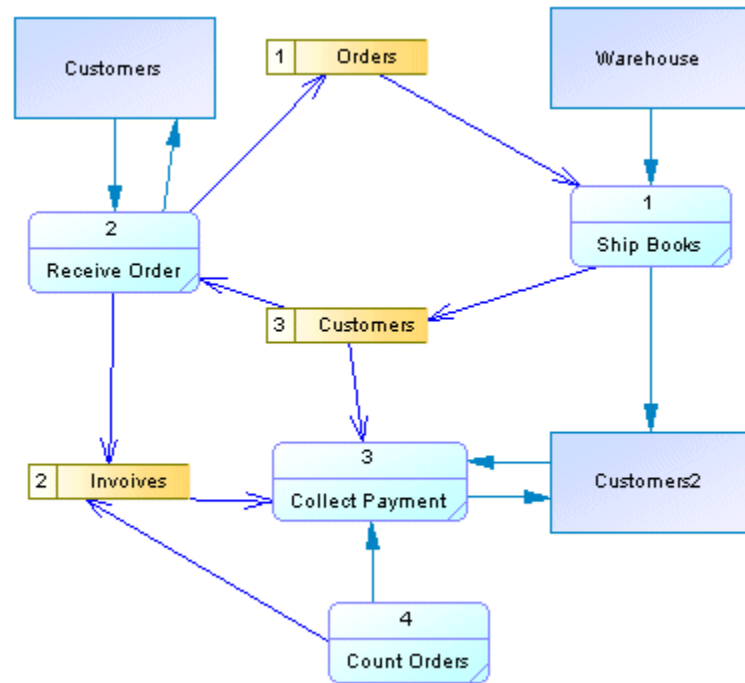
<<The purpose of this section is to cross-reference the business processes to business actors; i.e., business users. Business actors/users are those users who interact with a business process. >>

4.4 Information Flow

<<The purpose of this section is to describe the information flows that correspond to the business processes in scope for the target architecture. In terms of quality criteria, this section should make clear:

- a. Information flows for the business processes in scope*
- b. Diagrams are often helpful>>*

Example:



5 Actors and their Roles and Responsibilities

<<The purpose of this section is to describe the system users/actors in scope for the target architecture. System actors/users are those users who interact with a system. They can be human or a system/computer. In terms of quality criteria, this section should make clear:

- a. Human (system) actors and roles in scope for the target architecture*
- b. Computer (system) actors and roles in scope for target architecture*
- c. Any other system actor-oriented requirements in scope for the target architecture>>*

5.1 Human Actors and Roles

<<The purpose of this section is to define the human actors and roles in scope for the target architecture.>>

5.2 Technology Related Actors and Roles

<<The purpose of this section is to define the technology actors and roles in scope for target architecture.>>

5.3 Current Architecture Model

<<The purpose of this section is to describe the current (As Is) architecture. Talk about the way the current infrastructure is designed and any shortcomings it may have in moving the organization forward.

6 Proposed Architecture

<<The purpose of this section is to describe the target (To Be) architecture.

In terms of quality criteria, this section should make clear:

- a. *High-level explanation of the target (To-Be) architecture*

Hint: What needs to change?>>

6.1 Constraints

<<The purpose of this section is to describe the constraints that impact the target architecture.>>

6.2 IT Principles

Principles are strongly related to goals and requirements. Similar to requirements, principles define intended properties of systems. However, in contrast to requirements, principles are broader in scope and more abstract than requirements. A principle defines a general property that applies to any system in a certain context. A requirement defines a property that applies to a specific system. A principle needs to be made specific for a given system by means of one or more requirements, in order to enforce that the system conforms to the principle. For example, the principle “Information management processes comply with all relevant laws, policies, and regulations” is realized by the requirements that are imposed by the actual laws, policies, and regulations that apply to the specific system under design. A principle is motivated by some goal.

<<The purpose of this section is to describe the principles that can be leveraged in order to define the target architecture.>>

6.3 Architecture Supporting the Process

<<The purpose of this section is to describe how the components of target architecture that will be required. Keep it high level, but it will need to support the mapping as defined in section 6.4 (below)>>

6.4 Requirements Mapped to Architecture

<<The purpose of this section is to describe the high-level business and technology requirements that map onto the target architecture.

In terms of quality criteria, this section should make clear:

- a. Existing business requirements such as goals and objectives that map onto the target architecture
- b. Existing technology requirements that map onto the target architecture>>

7 End Vision Statement

*<<A statement **executive summary** of the end vision of the architectural effort.*

Begin with the end in mind!>>