

# Architecture Decisions

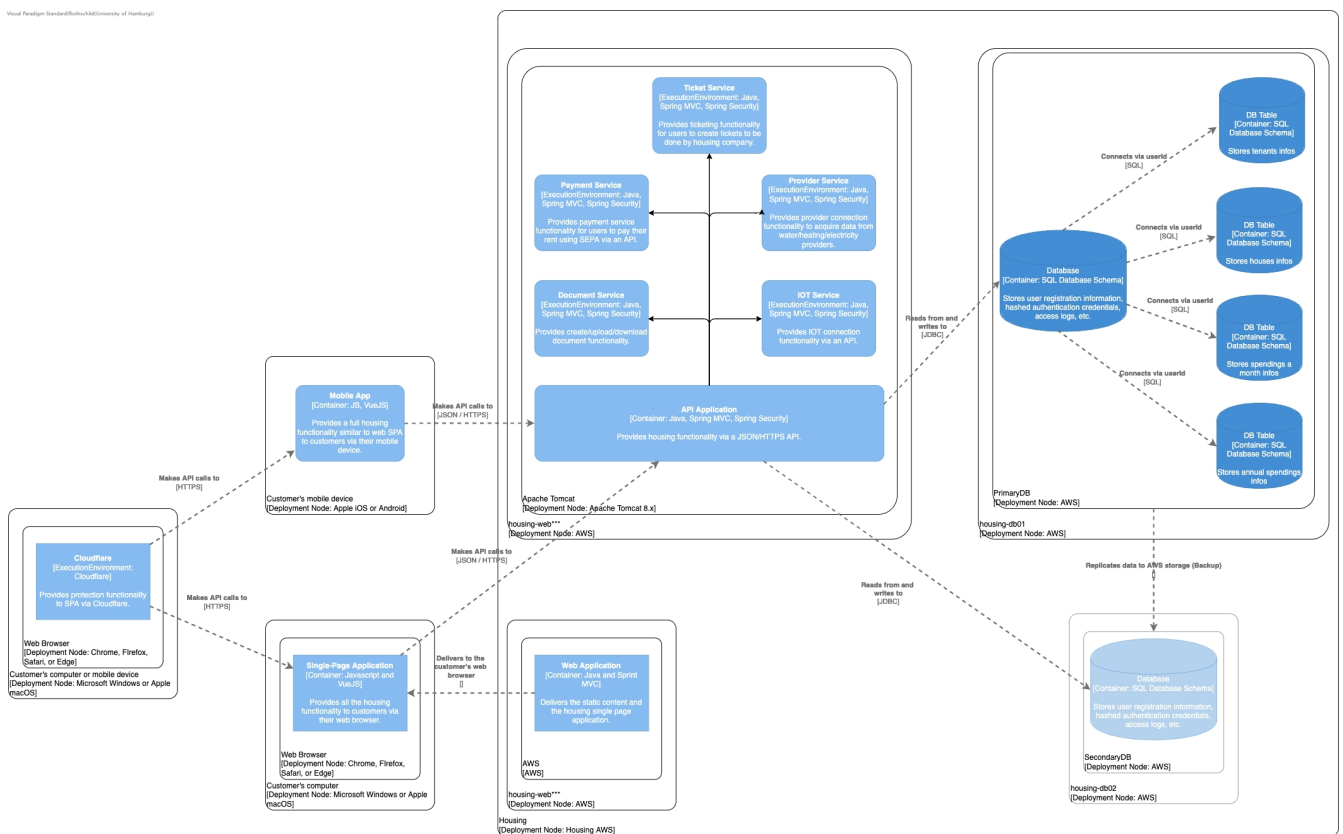
## Table of involved stakeholders

Name	Reason	Requirements	Diagram Type
<i>Owner</i>	1. The owner needs to know mainly how the system will be used by the final users and also by him. 2. His main goal is to have a system with a clear and straightforward use from both sides (him and the users) and he also needs the system to address all the possible edge cases that can arise by using the system.	1. He doesn't really need to know the system general architecture and all the design decision taken. 2. He mainly need to know usage of the system and maybe how it interacts with the third party services.	The owner needs behavioral (Mockup/Wireframe, Sequence and Deployment) diagrams.
<i>Sponsor</i>	-	-	-
<i>Project Manager (Lecturer) &amp; Team Members (Developers)</i>	PM/Developers part of the team must know what and how to implement the system.	1. PM/Developers need to know about the system general architecture. 2. They also need to know how the system components interact between them and also how they interact with the third party services. 3. To better understand the final product behaviour they also need to know how the final system will be used by the tenants.	PM/Developers need both structural and behavioral diagrams.
<i>Tenants (Users)</i>	The users must know about some diagrams since their final UX can benefit from them.	1. The users must know how to interact with the system. 2. They don't need to know how the system architecture or any design decision about it. 3. They also don't need to know how the system communicates with the sensors, payment method and other third party services.	Users needs behavioural (Mockup/Wireframe) diagrams.

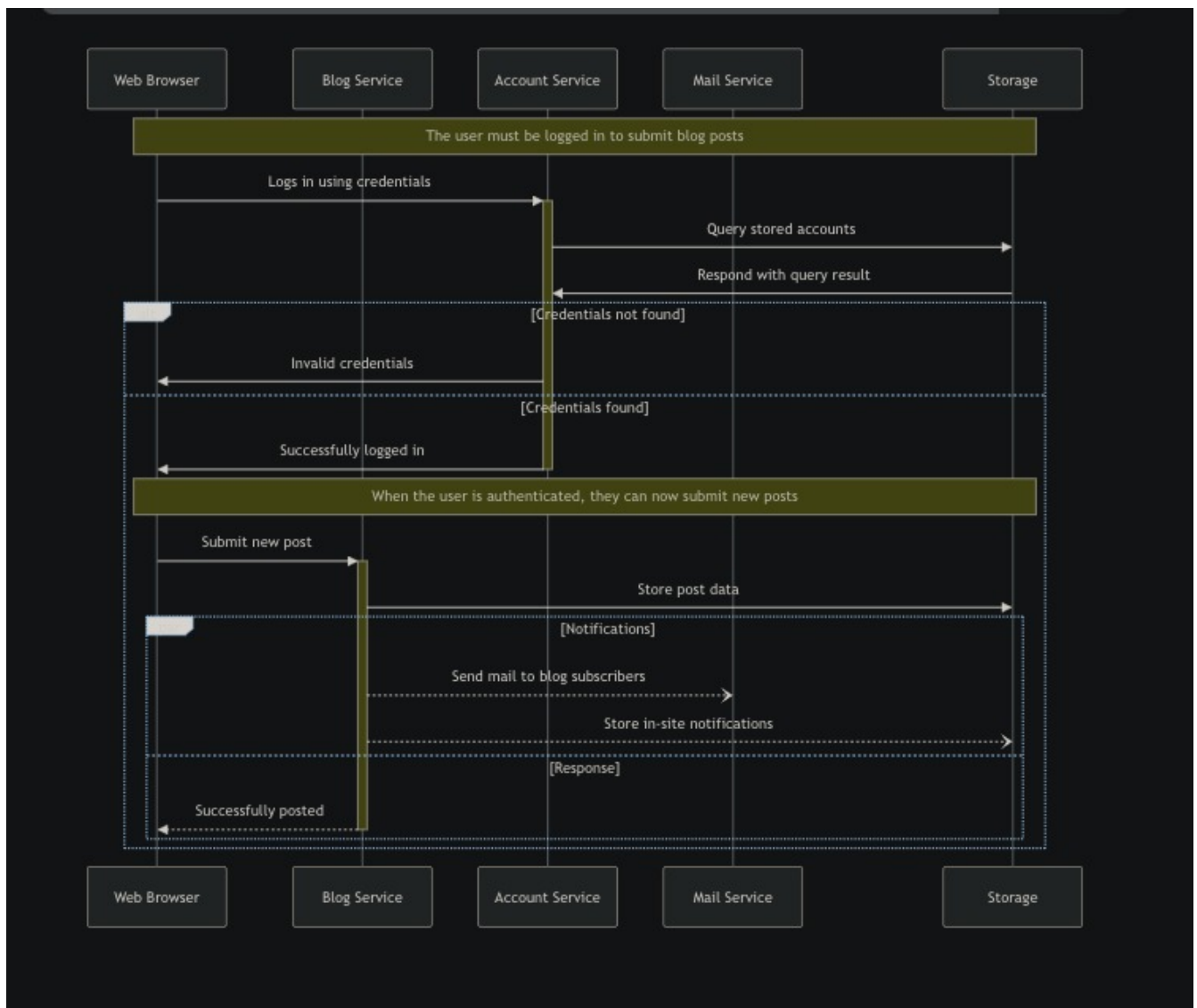
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<i>Legal Department</i>	<p>1. Some diagrams can help in representing and validating that the software behaves in a legally compliant manner during the interactions with other systems.</p> <p>2. Legal requirements may specify certain orderings or conditions for some interactions.</p>	<p>1. Legal Department needs to know about interactions between objects or components in the system. 2. Legal Department needs to know about interactions between system and third party components.</p>	<p>The legal department needs both structural (Deployment diagram) and behavioral (Sequence Diagrams and Mockup/Wireframe) diagrams.</p>

## UML Diagrams

### Component diagram

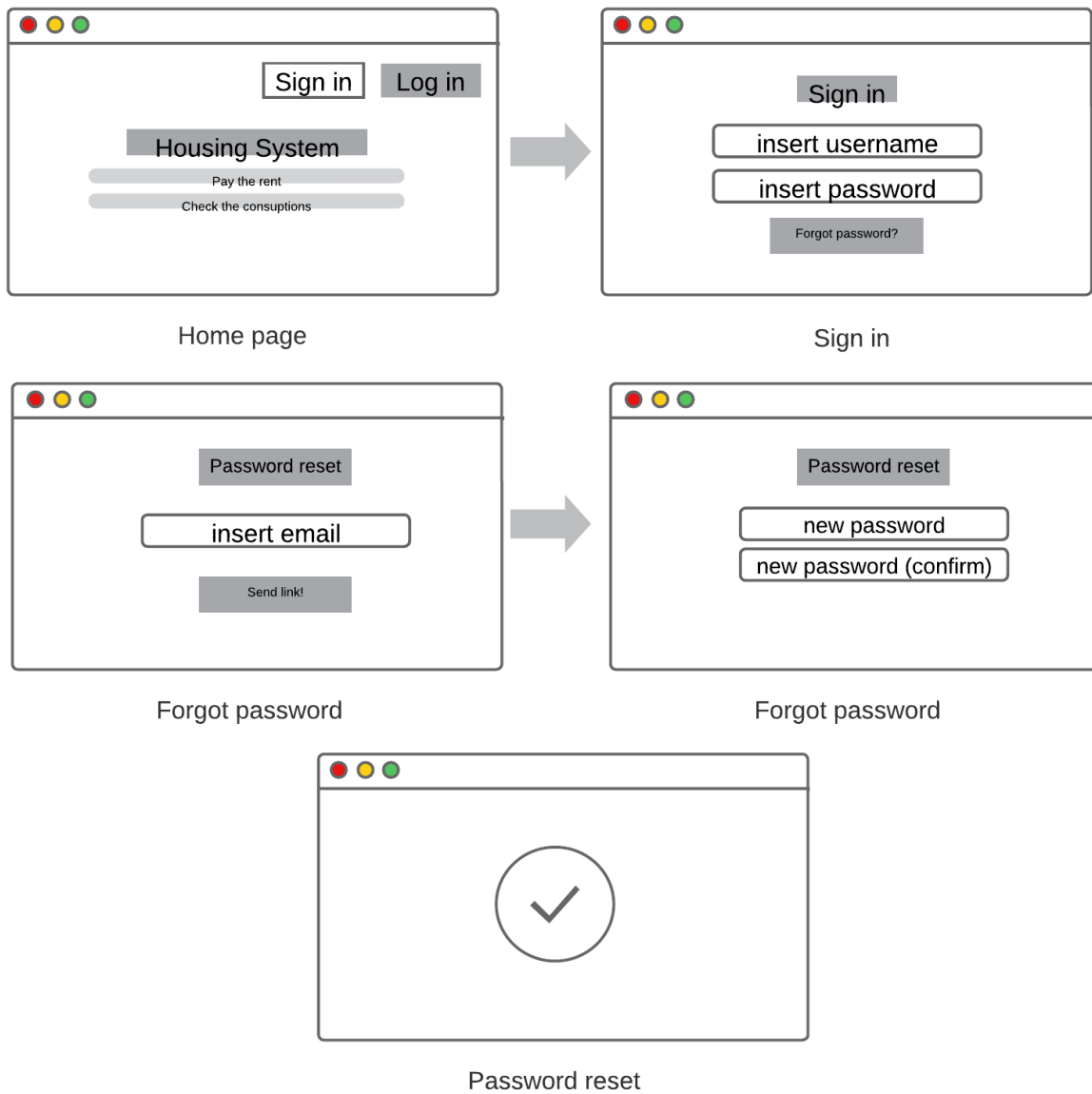


### Sequence diagram



## Mockup/Wireframe for password reset

**Goal:** *A user reset his password.*



## Deployment diagram

