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## **DP2 - Report on Previous Knowledge on WIS Architectures**

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**Group:** C3.027  
**Repository:** <https://github.com/DP2-C1-027/AirNav-Logistics-C3>  
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## **Executive Summary**

This document describes the prior knowledge regarding Web Information Systems (WIS) before taking this course. It details general concepts and previous experience.

Moreover, it highlights the lack of hands-on experience with building WIS apps from the ground up and understanding their inner workings, which are essential for modern software development. The understanding of testing and maintaining such apps is also minimal, with no prior exposure to many useful tools. The document further emphasizes the need for a more in-depth comprehension of WIS architectures to enhance software reliability and maintainability.

## **Revision Table**

|  |  |  |
| --- | --- | --- |
| **Revision Number** | **Date** | **Description** |
| 1.0 | 02/17/2025 | Initial version of the document |
| 2.0 | 08/13/2025 | Adapted to C3. |

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## **Introduction**

Before taking this course, knowledge regarding Web Information System (WIS) was limited to basic software concepts. There was a basic understanding of what entails building a WIS app, but no deep seated knowledge has been instilled

This document is structured as follows: the first section contains the executive summary, followed by a revision table. Then, the contents section details prior knowledge on WIS. Finally, conclusions and bibliography are presented.

## **Content**

### **1. Basic WIS concepts**

* It was understood that WISs are employed primarily when developing a web page to communicate with and share data with and between customers
* The basics of WISs were understood thanks to Design and Testing 1’s project

### **2. Previous hands on experience**

* Design and Testing 1’s project involved developing a WIS around a table-top game given a mock project to start off with. This allows from some level of understanding of the WIS ecosystem, but the nature of working on an already semi-completed project switches most learning to simple refactoring

### **3. Testing**

* Unit tests were learnt about and utilised during Design and Testing 1’s later stages of the project, although this did not make for a majorly important point in the project’s grading

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## **Conclusions**

Before taking this course, knowledge about Web Information System was limited to Design and Testing 1’s project and theory, which although it covered the basics about the concept of WISs, didn’t delve deep into the specifics of testing WIS systems nor building them from a blank canvas and/or just a framework like springboot or acme.

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## **Bibliography**

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