

CLIENT NAME: DVT
PROJECT NAME: KINDERFINDER

Software Architecture Documentation

Team Name: MAU Technologies

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<https://github.com/MrBean355/KinderFinder.git>

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1 Architecture requirements

1.1 Architectural scope

The project will consist of five main components of which one is still a proof of concept (POC).

- Web Administration
- Mobile Application
- Web API
- Basic Reporting
- Embedded Hardware and prototyping (POC)

1.2 Quality requirements

The quality requirements are the requirements around the quality attributes of the systems and the services it provides. This includes requirements like performance, scalability, security, auditability, usability, and testability requirements.

1.3 Architectural constraints

The only constraint for this project is the tools used to build the database for the system, those are the tools the client prefers and specified in the requirements specification.

2 Access and integration channels

End product users will access the system through a Mobile application and the administrators of the system will access the system through a Web API with more privileges and higher level of access of the system compared to the average user. Due to the nature of the project and technologies that will be used, integration is fairly due to the fact that the programming languages for most components are all compatible.

3 Technologies

The technologies that will be used for this project are the following:

- Microsoft Visio Studio
- ASP .Net MVC 5
- HTML 5
- JavaScript
- JQuery
- ASP .Net WebApi
- C#
- Microsoft SQL Server 2012
- Xamarin

The above mentioned technologies are the technologies that are to be used for this project, but may still be subject to change at a later stage of the software development due to the unforeseen situations.

A Glossary

Acronym	Definition
ASP .NET MVC	A Project type in Visual Studio implementing MVC pattern
MVC	Model View Controller
POC	Proof of Concept