Proposed Architecture:

* All goals and philosophies well explained, and completely consistent with high priority NFR’s
* All critical architecturally significant requirements correctly identified and implications explained
* A comprehensive list of decisions and constraints identified. Decisions completely consistent with goals and philosophies, sensible, and well justified with reference to specific needs of project
* A comprehensive list of architectural mechanisms identified. Mechanisms related to architecturally significant requirements.
* Framework/architectural style sensible and completely appropriate to project. All NFR’s addressed.

**Purpose:**

**Architectural goals and philosophies (consistent with NFR’s):**

Overall goal is to create a server based, cross platform mobile application that will allow a multitude of users to be online simultaneously.

Key words:

Server based:

Cross Platform mobile:

Multi user:

Current NFR’s:

* Accessibility
* Data integrity
* Efficiency
* Performance
* Platform compatibility
* Reliability
* Response time
* Stability

**Assumptions and Dependencies:**

Obvious assumptions. This application is being explicitly built for mobile use on iOS and Android. The backbone of which will be a PHP server. Currently the application is being built using Unity and should be noted as an assumption.

The server is going to be a crucial part of this project, currently we are looking at a personal server from among the team. If this does not suit our needs, then we will rent out a sufficient server.

Skill of team:

Availability of team:

**Architecturally significant requirements:**

I guess this links to the dependencies, so running the PHP server, developing in Unity using C#, developing for both iOS and Android.

**Decisions, constraints & justifications:**

We have chosen Unity as our builder since it uses a language that all of the team are confident with, allows us to create cross platform applications easily and is purpose built for designing the type of application we wish to create.

The decision of going cross platform.

The decision of using a personal server.

Time constraint of team members

**Architectural Mechanisms:**

**Key abstractions:**

* Quiz Up (think that was the name)
* ‘mobile friendly’, quick, low CPU use, pleasing, entertaining
* (what else?)

**Layers or Architectural framework:**

**Architectural Views:**

* Use cases will be provided to describe the main functions of the system. Containing all architecturally significant properties.
* Maybe an overall class diagram?
* Logical view