**How will the structural components in the system be decomposed into subcomponents?**

We will be deviding the system into three components: Input, processing and output. These three components will be implemented as isolated services, so they can run independent of each other.

**What will be the fundamental approach used to the structure the system?**

By using SOA (Service Oriented Architecture). The subcomponents of the system will be completely isolated and can easily employed across different servers.

**Is there a generic application architecture that can act as a template for the system that is being designed?**

Yes there is. Splitting the system into the three components: input, output and processing is very common in most software projects. For the output we will use MVC (Model View Controller).

**How will the system be distributed across hardware cores or processors?**

The specific hardware distribution of the system will be decided at a later date in the implementation phase.

**What architectural patterns or styles might be used?**

SOA (Service Oriented Architecture)  
Client-server

**How should the architecture of the system be documented?**

It will be documented in the SRS document by using data flow diagrams.

**What strategy will be used to control the operation of the components in the system?**

The strategy will be decided in a later phase. However the PHP laravel framework which we will be using, uses the MVC strategy.

**What architectural organization is best for delivering the nonfunctional requirements of the system?**

We have delivered our nonfunctional requirements the typical SRS format.