

Title fo Document

## **1 Introduction**

## **2 Problem Domain**

### **2.1 Domain Description**

### **2.2 Domain analysis**

#### **2.2.1 Stakeholders**

#### **2.2.2 Scope & Objectives**

#### **2.2.3 Interviews**

## **3 Research Question**

## **4 Project Requirements**

## **5 Technical Analysis**

### **5.1 Objectives**

1. Client rich interaction
2. Full stack framework
3. Scalability
4. Fast Prototyping
5. Proven in Production
6. Reliable
7. highspeed database lookup capabilities

## **5.2 Project Development Process**

1. using Scrum Agile method
  - (a) Sprint : weekly
  - (b) Sprint reflections
  - (c) Product backlog planning
  - (d) sprint backlog
  - (e) ....

## **5.3 Technical Components**

1. User(Client) interaction with web(Asynchronous vs sync)
2. Distributed application structure(clien/server)
3. Scalability is the ability of a system, network, or process to handle a growing amount of work in a capable manner or its ability to be enlarged to accommodate that growth.
4. Build systems
5. Databases(need more research)
6. Continous Integration

### **5.3.1 Synchronous Vs Asynchronous**

### **5.3.2 Server-Side Rendering Vs Client/Server**

### **5.3.3 Vertical Scalability Vs. Horizontal Scalability**

### **5.3.4 sbt Vs. Maven**

### **5.3.5 Dtabases In-memory data base support**

### **5.3.6 Template**

### **5.3.7 Testing**

### **5.3.8 Jenkins**

## **6 Conclusion**