

MiTime

MiTime Vision Document

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Introduction

MiTime is a desktop application that will allow users to create several timelines that will include events stretching over a time period along with singular events. The events will include text describing the event to the user.

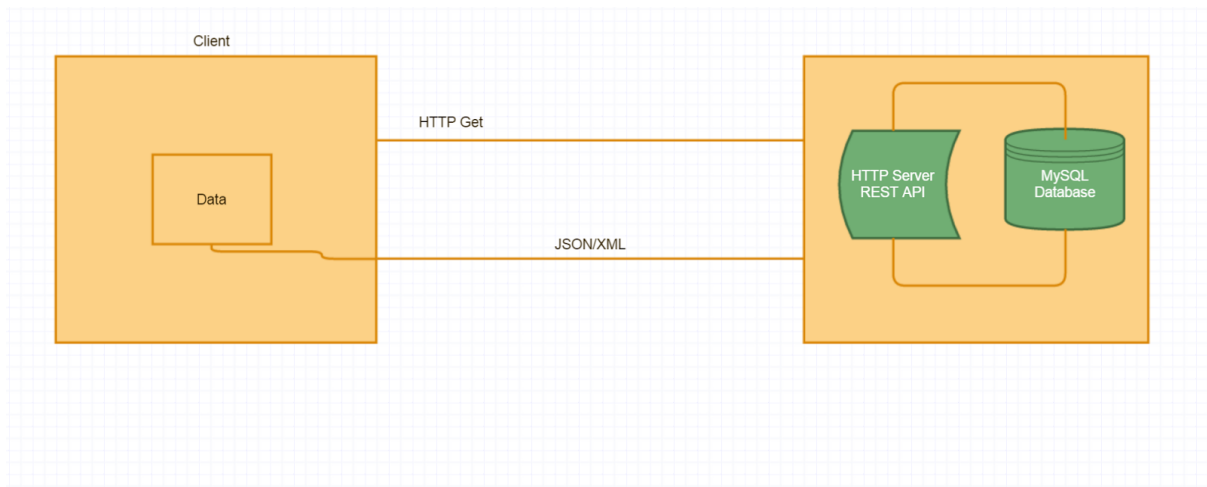
Major Features

- **Create Mode:** The user shall be able to create a new Timeline. The timeline will include events that stretch over a time period and events for single days. The events should include information such as text.
- **Display Mode:** The user shall be able to view the timeline and see all active events. Clicking on a timeline should give further information about what the event is about.

Functional Requirements Specification

1. Introduction

This section will introduce the functional and some non-functional requirements of MiTime. The basic structure of the project will be as follows:



No.	Type	Requirement	Priority
1.1	Client	Add timeline with start and end time	Must have
1.2	Client	Add single event to timeline	Must have
1.3	Client	Add event that stretches over time	Must have
1.4	Client	Add info in event node	Must have
1.5	Client	Edit event	Must have
1.6	Client	Login required	Optional

1.7	Client	Delete an event	Must have
1.8	Client	Delete timeline	Must have
1.9	Client	Modify timeline	Optional
1.91	Client	Scalable timeline	Optional
2.1	Server	Fetch HTTP-Requests	Must have
2.2	Server	Send JSON data to client	Must have
2.3	Server	Store users	Must have
2.4	Server	Store data from users	Must have

Non-functional Requirements Specification

1. Usability

Ease of learning

The system will be easy enough to operate to allow for people with some computer experience to control it.

Task efficiency

The task of logging in and creating an event being presented on a timeline will be able to be done in a matter of 30 - 60 seconds.

Ease of remembering: Remembering the general editing process for the system will be relative to remembering how to update a text document and saving the file.

Understandability: The system will support both prompts and messages that are understandable for the less experienced as well as console logs that will go into greater depth of the process.

2. Reliability

Accuracy: The system will require a PC with at least a version of Windows XP installed. The system will also give support for Mac OS and Linux.

3. Performance

Response times: Starting the system and begin writing new information should be completed in a maximum time of 30 seconds.

Any interface between the system and the user should have a maximum response time of 2 seconds.

Shut-down: The maximum time for the system to shut down safely will be 5 seconds.

Start-up: The maximum time for the system to start up without any other significant disturbance of processing speed will be 5 seconds.