TimelineXpress Project Plan

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Revision	Date	Reason
1	2/17/2025	Document Review

Introduction

Scope and purpose of document

This document provides the project plan for developing a software application called TimelineXpress. Details of the development include the scope, approximate schedule requirements, organization of the development team, and provisions for project tracking and control.

TimelineXpress is a new software application that allows the user to produce timelines for use in project planning or historical studies. Milestone events and time duration events are stored in an appropriately designed database.

System Scope

Problem/Opportunity Description

Most timeline applications are complex, with a steep learning curve. TimelineXpress aims to provide an easy-to-use browser application for producing timelines.   Milestones and time duration events can easily be displayed. Applications include timelines for managing small projects, historical studies, class projects, building timelines for story writing, etc.

TimelineXpress will also include a database capability which will allow detailed information to be stored about the events captured on a timeline. This is especially useful for historical studies, or story writing, where more complex details are often needed than can be displayed on the timeline itself.

Anticipated Business/Personal Benefits

Our company hopes to establish itself in the marketplace as a supplier of novel and useful small-scale software applications. The goal is to create an application for which users will be willing to pay a small fee.
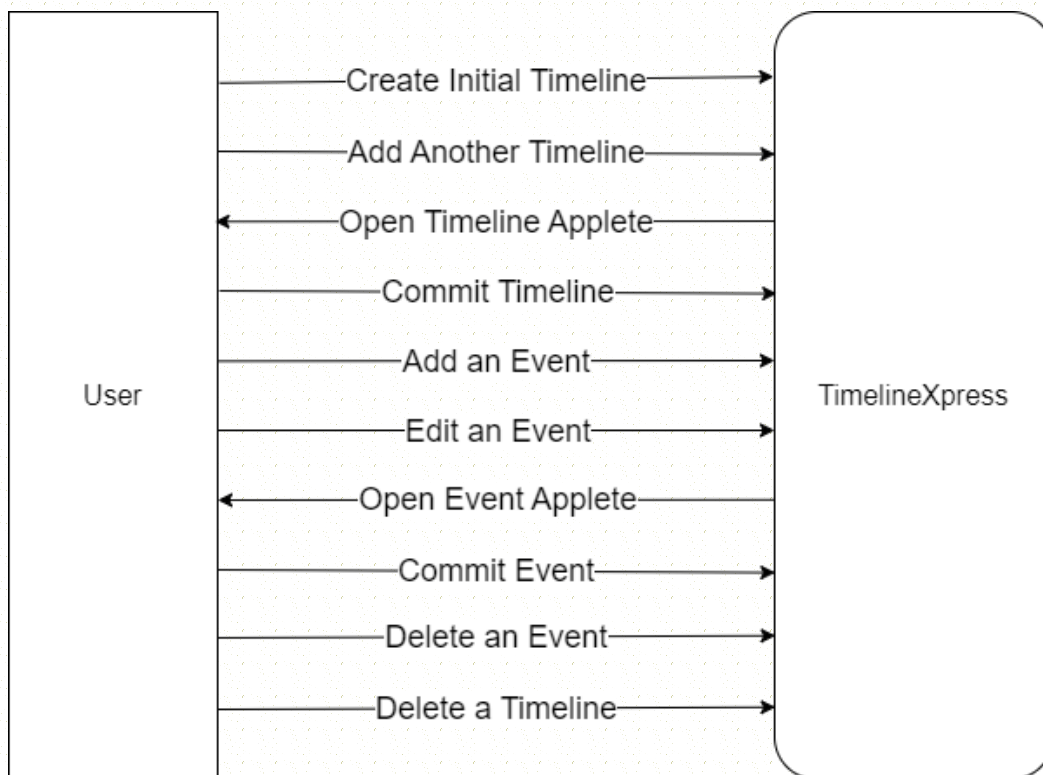
Benefits from this application:
- Allows users to plot a timeline of world events, individuals, and milestones
- Helps students and teachers visualize history in a more interactive way
- Provides an easy and friendly user interface
- Allows comparison between two different timelines
- Easily correlates one type of event with another
- Can also be used for project management, research, education.

System Capabilities

Major functions of the applications will be:
- A user-friendly graphical interface connected to a database program to store information content.
- The ability for a user to add, edit, and subtract from the contents of the database.
- Controls to prevent duplicate or conflicting information.
- The ability for a user to display timelines of historical events and world history events on two timelines, side-by-side.
- Providing an applet allowing more detailed searches and correlations to allow for customizing the timeline displays (one event class versus another).
- Allowing searches based on time or event type.

System Context Diagram

Schedule

A separate Project Libre file includes detailed schedule information for the project.

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Staff Organization

How is your team organized; who is the team leader and how are you organized?

The team will follow Agile development principles during the execution of the project. The development team members, and their roles, are listed in the following table.

Role	Team Member
Team leader/Developer	Walter Ulicki
Analyst/Developer/Database Specialist	Dana Tryon
Analyst/Developer/Web Design Specialist	Alexandra Lawler
Analyst/Developer/Test and Release Mgr	Gitti Esmailzada

Tracking and control mechanisms

The latest versions of all documents, schedules, and system diagrams will be maintained on a Google drive at the following Google account: ulicki.walter@student.ccm.edu

The development team will use a Slack channel for communication. Frequent communication between team members will enhance the team's productivity. The URL for the team's Slack channel is: https://app.slack.com/client/T08B03ZCSSZ/C08B03ZEQ2Z

Software code for the TimelineXpress application will be controlled on a GitHub repository: https://github.com/waltu546/softwareEngineering-repo

Document and code reviews will be conducted through the Slack channel, and with occasional face-to-face meetings as deemed necessary by the team.