

# Framework Domain

- Domain: Event-based data for visual display with countable keywords and optional priority
- Example data plugins:
  - Facebook posts with location/emoji
  - Webscripting a site such as TicketMaster with concert and song listings
  - Basic CSV file
- Example visualization plugins:
  - Frequency display
  - Roadmap of events with optimal routes



# Framework Details

- This framework will be made to be reasonably general to handle most event based data in a particular region.
- Key abstraction:
  - Any event will have a time, place, and some description keywords.
  - Visualizing events on a map is the most natural presentation and is flexible.
- There is tons of flexibility in plugins:
  - Data would only require the bare minimum: time, place, and some description at minimum.
  - For visualizing, there are many modes of representing data on maps (e.g. frequency, path scheduling).

# Project structure

- framework

- core

- (I) MapperListener

- (C) MapperFramework

- (C) MapperGui

- (I) DataPlugin

- (I) VisualPlugin

- datapoint

- (C) DataSet

- (C) Event

- plugin

- data

- (C) TicketMasterPlugin

- (C) SpreadsheetPlugin

- visual

- (C) MapRoutePlugin

- (C) KeywordFrequencyPlugin



