

Classical Greek Military Movement

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Description

The application allows users to calculate overland travel times for hoplite armies in the Classical Greek period.



Features

- Mapbox API displays the map
- Vue.js as Javascript framework
- Google Directions API for getting initial input
- C# serves up initial code



Planning - User Stories

- The app displays a map on the proper location.
- The app makes live calls to return an estimated journey time.
- The app takes into account army size when calculating movement time.



Planning - Database

Currently I implement a mockup database, which contains a list of locations. Each location has a longitude and latitude.



Technology Stack

- C#
- Vue.js Framework
- Database engine (undecided)
- Google Directions API, Mapbox API



Demo



What I Learned

- I learned basic Javascript, Vue.js, C# architecture
- How to connect to two APIs and manipulate their functions
- Creating and editing objects on maps



What's Next

- Creating output textbox which displays the algorithm result
- Creating markers on the map to indicate the locations of user input
- Updating the zoom and centering based on input
- Removing the weather modifier
- Fixing UI display issues

