

# CS298 Proposal

## Firefox Extension to save Web data

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### ***Abstract***

There is a large amount of information available on the web that is becoming more relevant to the average user. General contact information such as phone numbers and email addresses as well as adding appointments and meetings and other events are a few examples of such data. There is no easy and intuitive way of saving this information. Our project is to create a FireFox browser extension that will manage user contact information and a calendar. The extension will allow the user to save snippets of web pages and add them as contacts or as events in the user's calendar. The user will also be able to save portions of webpage with addresses and view them on Google Maps.

### ***CS297 Results***

1. Created a sample plugin to test the plugin functionality
2. Created a DOM test to identify the top level DOM
3. Created a Block Element Highlight sample to test highlighting of block elements on mouse overs
4. Created a sample plugin application to save data to user's profile folder on client machine

### ***Proposed Schedule***

Week 1	Finalize CS298 Proposal and submit to Department
Week 2-5	Explore ways to bundle a database such as SQLite in a firefox extension. Create a firefox extension to add, edit and save contacts.
Week 6	Explore adding menus to right click on firefox browser
Week 7	Add a contact by selecting text on a webpage
Week 8-9	Explore user calendar options and read about iCal format
Week 10	Add sample events to the user's calendar with reminder options
Week 11-12	Add a calendar event by selecting text on a web page
Week 12	Explore ways to display Google Maps in a firefox extension
Week 13	Save address information to display on Google Maps
Week 14-15	Start writing report and submit draft to committee
Week 16	Final Presentation

## ***Key Deliverables***

- Software
  1. Create a firefox extension to add, edit and save contacts
  2. Explore ways to add menu options to the right click of a firefox browser and save contacts by selecting text on a browser
  3. Add sample events with reminder options to a user's calendar
  4. Add a calendar event by selecting text on a web page
  5. Save address information to display on Google Maps
- Report
  1. Detailed description of the architecture of the software
  2. Final Report and Presentation

## ***References***

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