

IS2560 Final Project Proposal
Web-Based DailyAssist Application

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Introduction of Project

Nowadays, people rely more and more on web in their daily life. In order to satisfy people's needs in using web to assist and manage their personal daily life, we will develop a web-based DailyAssist application for helping people to manage their daily life.

We are going to concentrate on both functionality and UI quality of the application, using HTML5/CSS3, JavaScript and JQuery for the layout, using Python or Java to call Twitter API, and MySQL database. So we do consider this one a huge project and will be exhausted for us to finish it with best quality.

Project Objectives

The Web-Based DailyAssist Application will consist of a login/sign up page, a homepage dashboard to contain welcome information, user information and a general view of each separate function. Also, the application will have four major functions in four separate pages, including a RSS reader, a visualized to-do list, a contact book and a social network page integrated with twitter.

Sign In / Sign Up

We are trying to design a really beautiful and quick sign in/up page. Our goal is to make users be available to sign up in 15 seconds without providing complex information. And we will provide an impressed login page user interface, which is one of the most directive and important element to make people addicted to our application.

Dashboard Home Page

Dashboard home page contains description and short comes for all separate parts below. And will show a clear calendar and time for local time, which integrates with the to-do list.

And Optionally, we will provide notifications for upcoming tasks in users to-do list, the amount of today's news feeds for user's subscription list, the amount of user's contacts, and your twitter information. We are thinking about streaming tweets dynamically and in time. Thus most recent tweets will be shown on the dashboard.

RSS Reader

The RSS Reader will be based on ATOM and will realize the function of getting feeds and save subscription. It will be embedded in a separate webpage. We are going to use Google AJAX Feed API to implement on it.

Basically, besides allowing users to read news and to subscribe a website, our reader will automatically get all the news from subscriptions while going to this reader page. It will also

support to filter news from certain source. All news can be sort by different conditions.

Optionally, there will be functions like marking the news with star or read later, allowing user to add tags to classify news to different catalogs, allowing user to share news they read to friend via social networks such as Twitter.

To-Do List

Basically, the To-Do List will be based on JavaScript and is an intelligent document which allows user to add/delete list items, to mark the item as done/undone, and will generate a dynamic calendar showing user's schedule. Also the calendar will be shown on the dashboard homepage.

Optionally, we will add some catalogs for events, such as birthday, jobs, entertainments, and etc, those catalogs will be well well managed and showing a clear and effective to-do list. Also there might be some event time settings and related to event recommendation function. Tweeting the to-do list is also optional.

Contacts Book

The Contact Book will supply contacts information storage service.

Basically, user can create and edit contacts information such as telephone number, email, address, Facebook and twitter link and etc. User can add new contact, modify and delete exist contact. To make it more useful and powerful, we will add sort and search function, which could allow user to find contacts by limited information or sorting contacts by specific criteria.

Optionally, user can send email through the contact book.

Social Network Integrated With Twitter

We will call Twitter API and allow people to securely sign in their twitter account in our website, and from where they can get their twitter information. We are currently considering using Java or Python to do this.

Basically, we will read this user's information, and get tweets from whom the user follows. So that user will be able to read tweets in our application. Searching function is also available, which means that user can search for tweets/users through a searching query. Also user can compose new tweet in our application.

Optionally, user will be able to streaming tweet in time, which means a dynamic streaming of new tweets from those people they follow. New tweets will show up automatically and in time. So that you will never miss a tweet.

Additional Page

This will contain the informations for our developing team, the ways to contact us, and an editable form to submit user's suggestions, questions and any other issues to us. We are considering to set an AJAX editor for the page, which can save user's input content automatically every a period of time, and it may check for the content of input.

Other

This project is supposed to be done within a **4-people group**. We will pay exhaustive efforts on it. We think that our work schedule deserves 4 people to concentrate on it. And our goal is to make

the application as perfect as possible. Once the project goes live, our users will enjoy an interactive, convenient and handsome web-based personal staff management application, we are so sure that it would be a spectacular experience.

More importantly, we hope that our proposal for this final project would be helpful in encouraging client-oriented web application design and development, and during the development process we four friends can also get some exposure in managing project resources, timelines, risks and cross-group collaborations.

We love any suggestions and see what we did well and what we can do better during developing.

Project Tasks & Time Line

Task #	Description	Difficulty	Risks	Planned Start Date	Planned End Date
1	Generate Low-level Requirements and Compose Proposal	low	N/A	Oct 20	Oct 23
2	Generate High-Level Requirements	Mid	Details	Oct 20	Oct 30
3	Design for Sign In / Sign Up Page and Dashboard Home	Top	Great Looking and Really Quick Sign in/up	Nov 1	This will be an Iteration for doing development. We will Change the design and codes with time and improvement on our project. The deadline will be Dec 1
4	Implement on UI for Sign and Dashboard Frame	Mid	Responsive Frame for Dashboard	Nov 1	
5	Design for Each Separate Pages	Top	Make it Beautiful	Nov 2	
6	Implement on the UI	Top	AJAX Control and Feed	Nov 5	
7	Get Twitter Integrated	High	Python and Twitter API	Nov 22	
8	Design and Work on Database and Integrate with UI	High	Python with MySQL	Nov 5	
9	Integration and Final Check for Compatibility	Low	CSS for IE, Dynamic Effects	Dec 2	Dec 3

The final Project Deadline is supposed to be Dec 4.