



## Applied Design Tools & Interfaces

Designing for the Activity - Web Based Applications

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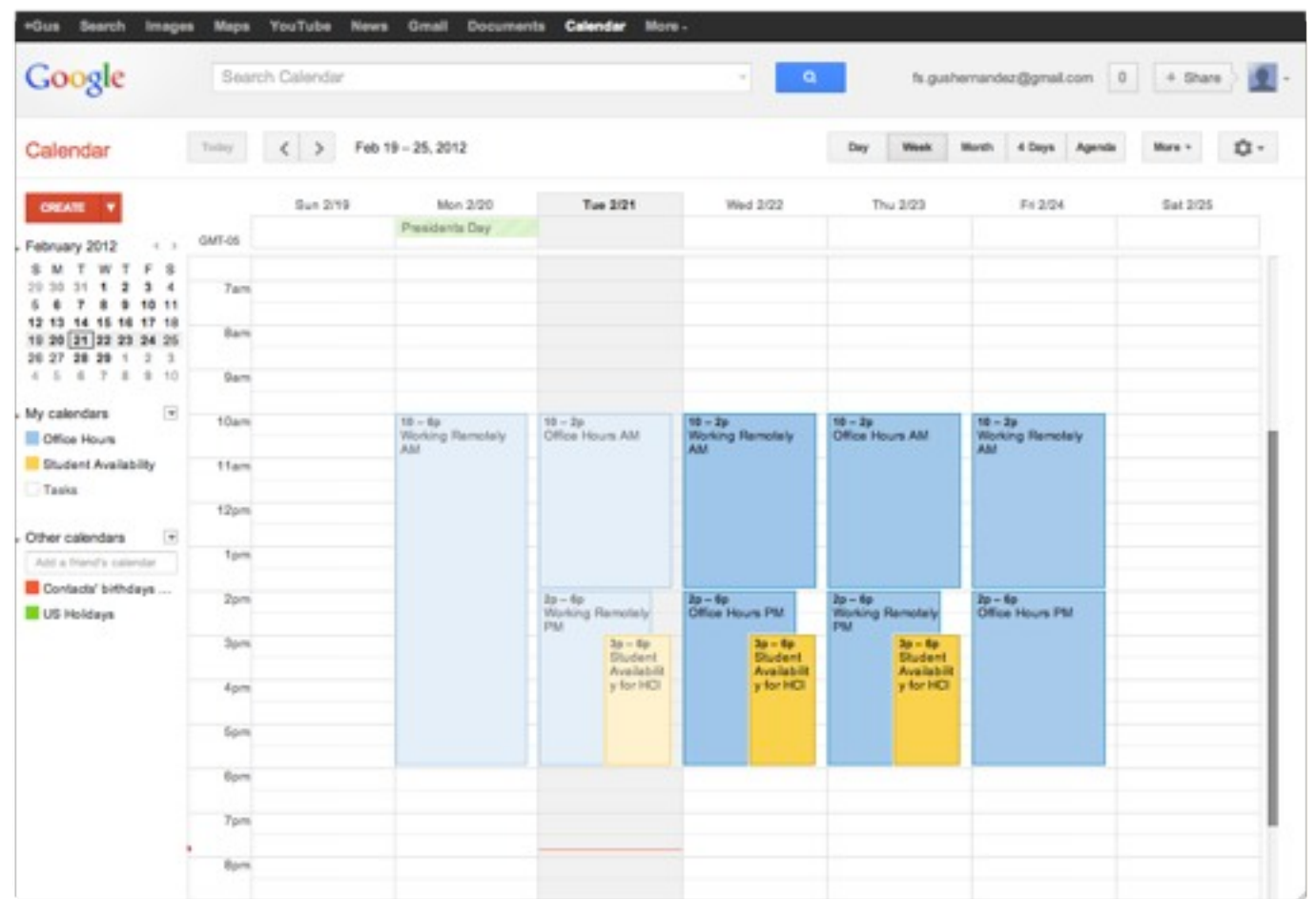
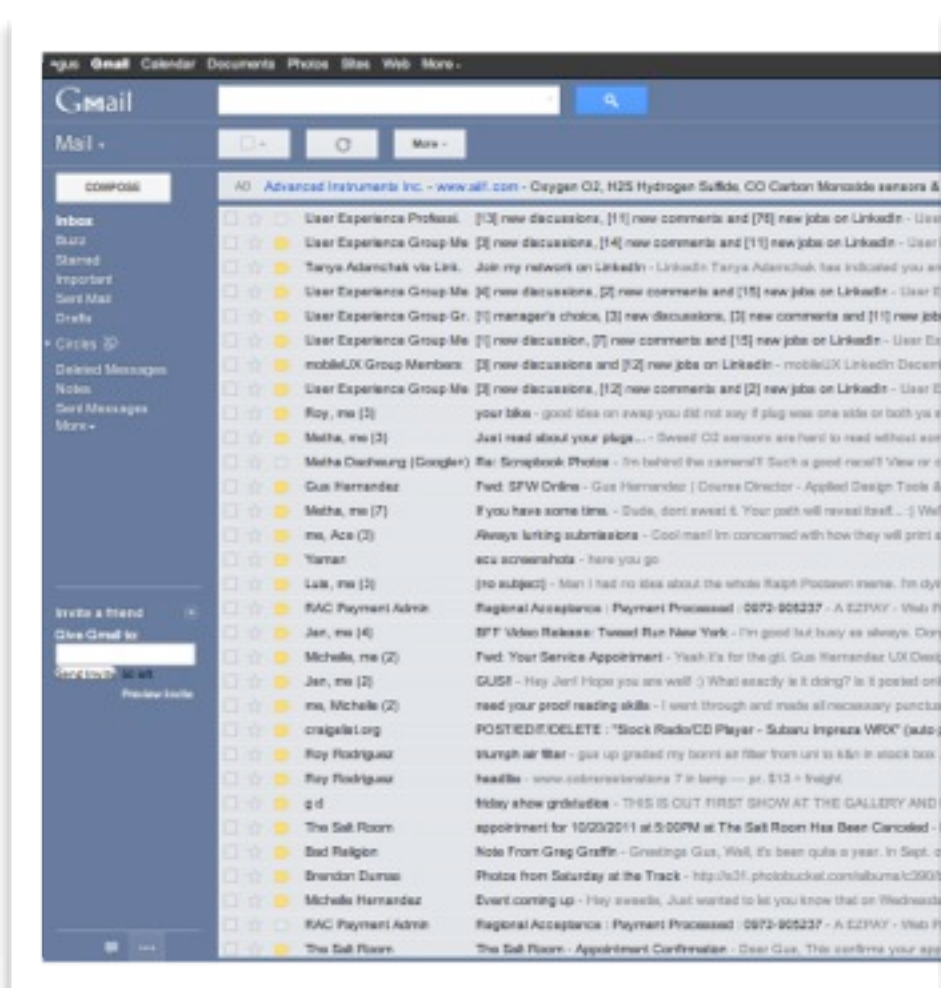
## Web Based Applications

### What are they?

An application accessed over the web via a browser.

Very popular due to the prevalence of the model and the high habituation of browsers.

It's also an attractive model because there is no software to install on computers.



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## Web Based Applications

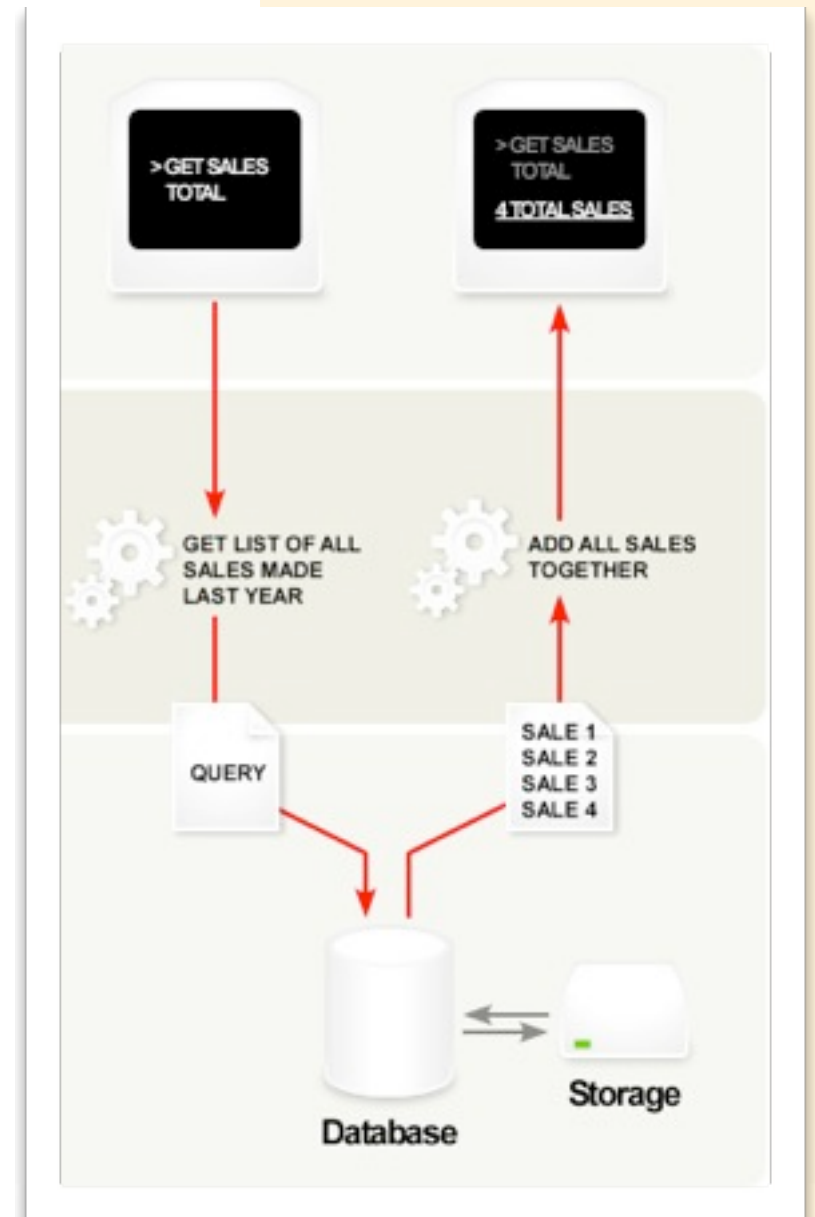
### How do they work?

Use the 3 Tier System.

*First Tier: Presentation*

*Second Tier: Logic*

*Third Tier: Data*





## Designing for the Activity

### What are the advantages of a WBA?

Quite simply, Habituation.

“ Since it operates *via a web browser*, there is a high **habituation** *with the UI...*”

Plenty of languages we can use when creating the application.

- ▶ HTML / CSS
- ▶ JavaScript/JQuery
- ▶ PHP, ASP, JSP, CFM

*Pattern Based Design*: can be leveraged to create a better sense of intuitiveness within the application.

The screenshot displays a web application interface with a main search form and a sidebar. The search form is titled "Search" and includes a "New Search" link. It is divided into four sections: 1. Select a Department (with a dropdown menu and a "Go" button), 2. Select the Report Name (with a list of report names and a "Go" button), 3. Select a Report Version (with a dropdown menu and a "Go" button), and 4. Select the Document Criteria (with multiple dropdown menus for Time, Date, Report Description, Statements, Statement Month, Future Use 2, Salesman, Future Use 1, Page, Report Name, and Account Number, each with a "= (equals)" dropdown). The sidebar on the right contains a "Contacts" section with the name "Dan Charest" and a "Saved Search" section with a dropdown menu and "Load", "Update", and "Delete" buttons. The interface is designed with a clean, functional layout using a pattern-based design approach.