



## Requirements and Specification Document

10/07/2014, version 1.0

### Project Abstract

Jobdex is a tracking and management tool for the job search process. It helps you organize the companies you've applied to (or are planning to apply to) into "cards". Each card contains specific information about your job hunting progress within that particular company, such as the position(s) you applied for, the employees/recruiters you've spoken to, how you heard about the job, notes you took about the company based on research, the date you submitted your resume, and more. You can update each cards to reflect the progress you've made in the job hunting process for that company (e.g. second round interview). You can also rank the cards based on which companies are higher on your priority list.

### Document Revision History

Rev 1.0 2014-10--7 - Initial version

### Customers

Our target customers are people who are actively seeking and applying/interviewing for jobs. This can include anyone from a recent college graduate looking for a full-time job, to a seasoned professional in their midlife looking to switch to a different company. Jobdex is suitable for first-time job seekers and frequent job seekers alike. It can even be used by people who are applying for *internships*, as opposed to permanent jobs (e.g. high schoolers, college undergraduates).

### Competitive Landscape

There are only a couple sites that are similar to Jobdex. Startwire.com is one such website that is designed to help the user organize their applications and find jobs similar to those they show interest in or have applied for. ApplyMate.com is another such site that helps user organize job and college applications. However, Jobdex greatly differs from Startwire.com and ApplyMate.com.

While Startwire has a single tab, "Stay Organized", it seems that their main focus is on helping the user find similar jobs. Jobdex, on the other hand, concentrates on organizing the application process. Jobdex will be designed to have more features to allow this. For example, our site will be organized by the company and position the user applies to. It will also allow the user to analyze their applications and create timelines for upcoming deadlines or events. It will not focus on job recommendations. Jobdex will be more like a tool for

the user to stay on top of the entire application process and keep track of the positions they have applied for, the status of their application, and upcoming deadlines. It is not a recommendation system. ApplyMate seems like a site that is very similar to Jobdex. It attempts to help the user organize the entire application process for job applications and college applications, allowing the user to keep up with the deadlines. However, this site is difficult to use and not as accessible as we hope to make Jobdex. While looking at the site, the sign-up process is difficult, requires a resume/document upload and did not direct the user to the dashboard even after activating the account. Furthermore, Jobdex focuses on *job* applications, not *college* applications, and caters to college graduates or general users who are in the process of looking for employment.

## User Stories

<b>Name</b>	sign up
<b>Actors</b>	any user
<b>Triggers</b>	visit page
<b>Preconditions</b>	no cookie
<b>Actions</b>	open registration page, save user to database and redirect to dashboard
<b>Postconditions</b>	user is taken to the dashboard
<b>Acceptance test</b>	user name and password validation, make sure the user is in the database
<b>Iteration</b>	1

<b>Name</b>	sign in
<b>Actors</b>	user with an existing username and password
<b>Triggers</b>	visit page
<b>Preconditions</b>	has cookie or existing login or cookies disabled
<b>Actions</b>	opens registration page for that specific user
<b>Postconditions</b>	user is taken to the dashboard
<b>Acceptance test</b>	user name and password validation, make sure the user is in the database

<b>Iteration</b>	1
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<b>Name</b>	log out
<b>Actors</b>	logged in user
<b>Triggers</b>	select “logout” button
<b>Preconditions</b>	already logged in
<b>Actions</b>	takes user back to sign in page, saves all information to the user’s profile
<b>Postconditions</b>	display the login page
<b>Acceptance test</b>	ensure data is saved to user’s profile, not still logged in upon refresh
<b>Iteration</b>	1

<b>Name</b>	documents (resume/cover letter) upload
<b>Actors</b>	logged in user
<b>Triggers</b>	click upload
<b>Preconditions</b>	must be signed in
<b>Actions</b>	save document to database and updates the documents view
<b>Postconditions</b>	documents page updated with new documents
<b>Acceptance test</b>	documents saved in database and the documents page updated
<b>Iteration</b>	1

<b>Name</b>	view dashboard
<b>Actors</b>	logged in user
<b>Triggers</b>	click dashboard

<b>Preconditions</b>	must be signed in
<b>Actions</b>	show all the user's cards (i.e. companies applied to)
<b>Postconditions</b>	user is taken to the dashboard page
<b>Acceptance test</b>	make sure dashboard page is shown, make sure all of user's corresponding cards from databases loaded into the view
<b>Iteration</b>	1

<b>Name</b>	remove documents
<b>Actors</b>	logged in user
<b>Triggers</b>	click "remove" button
<b>Preconditions</b>	must be signed in, must be on the documents page, must have documents to remove
<b>Actions</b>	remove specific document from database and refresh the page
<b>Postconditions</b>	user is taken to the documents page
<b>Acceptance test</b>	make sure that the appropriate document(s) are deleted once the user gets taken back to the documents page, make sure deleted document(s) corresponding to appropriate user are removed from the database
<b>Iteration</b>	1

<b>Name</b>	Filter cards
<b>Actors</b>	Logged in user
<b>Triggers</b>	Click "Filter"
<b>Preconditions</b>	None
<b>Actions</b>	Parse the cards to find out which ones pass the filter
<b>Postconditions</b>	Cards that passed the filter are highlighted
<b>Acceptance test</b>	Cards that passed the filter have a different color than other cards
<b>Iteration</b>	1

<b>Name</b>	Save company to "interested"
<b>Actors</b>	Logged in user
<b>Triggers</b>	Click "Bookmark Company"
<b>Preconditions</b>	User is logged in and viewing a company that isn't already in the user's "Interested" list
<b>Actions</b>	Update database to add company to the user's "Interested" list
<b>Postconditions</b>	The company is added and displayed in the user's "Interested" list
<b>Acceptance test</b>	1

<b>Name</b>	Create card for each company you're interested in
<b>Actors</b>	Any registered user
<b>Triggers</b>	Click create card for company
<b>Preconditions</b>	Company exists in your library of companies
<b>Actions</b>	Reads in information and saves it to specific fields of card. Checks for validity of these fields. Saves it to database, update associated count.
<b>Postconditions</b>	Card saved in database and view in Dashboard updated to reflect that.
<b>Acceptance test</b>	Check for existence of card. Check for update of card count. Check that card doesn't already exist (or a card too similar).
<b>Iteration</b>	1

<b>Name</b>	Add tags
<b>Actors</b>	Any registered user
<b>Triggers</b>	Click "add tags" for a card
<b>Preconditions</b>	Card exists and doesn't have max number of allowed tags (20)
<b>Actions</b>	Tag associated with card and database updated to reflect association. Update view immediately with a tag added to card

<b>Postconditions</b>	New tag associated with card in database such that filtering will catch it.
<b>Acceptance test</b>	1

<b>Name</b>	Card view
<b>Actors</b>	Logged in user
<b>Triggers</b>	User clicks on a specific job card on the Dashboard
<b>Preconditions</b>	User already created a card
<b>Actions</b>	Takes the user from a view of multiple cards on the dashboard to a detailed view of the specific card
<b>Postconditions</b>	User's view is centered on the selected card, conditions/tabs of the card are clearly displayed. Back is button visible
<b>Acceptance test</b>	Opening card view doesn't crash the dashboard, make sure selected card is the one that comes into the larger view
<b>Iteration</b>	1

<b>Name</b>	Adding application stage to card
<b>Actors</b>	Logged in user
<b>Triggers</b>	User clicks on the "application stage" section on the card view
<b>Preconditions</b>	Card is already created, user has selected a specific card's view
<b>Actions</b>	Selection menu appears to allow the user to choose between three stages: 1. considering, 2. in progress, 3. completed. The selection is then saved
<b>Postconditions</b>	User's selection becomes saved and displayed on the card; the tag on the card (to be used for filtering) will update to reflect that stage change
<b>Acceptance test</b>	Make sure user selection corresponds with what is displayed afterwards, make sure it appears when filtering for its corresponding category
<b>Iteration</b>	1

## Future Iterations

- Profile settings page
  - User can change password
  - User change email
  - User can sign up with other accounts (Google, Facebook, etc)
- Show new user tutorial on how to use Jobdex
- Generate Timeline (generate a visual of a timeline with upcoming applications/events and redirect user to this view on the reports page)
- Analyze Applications (aggregates all of your job activity and displays it through easy to interpret graphs and reports)
- Email notifications
- Export to Google Calendar
- Glassdoor scraping and integration
- Setting up an email with which you can forward important information from employers
- Card View Details
  - User can view and edit Contact tab that has recruiter's email, phone, LinkedIn, etc.
  - User can view and edit Tasks tab with a list of requirements to move forward (Interview on XX/XX, answer essay questions, etc.).
  - User can view and edit Documents tab that has the resume, cover letter, etc. relating to the job application
  - User can view and edit Notes tab to add specific notes relating to the kpb application

## User Interface Requirements

Figure 1.1 - Sketch of what the Dashboard could possibly look like (with list of companies linking to their respective cards)

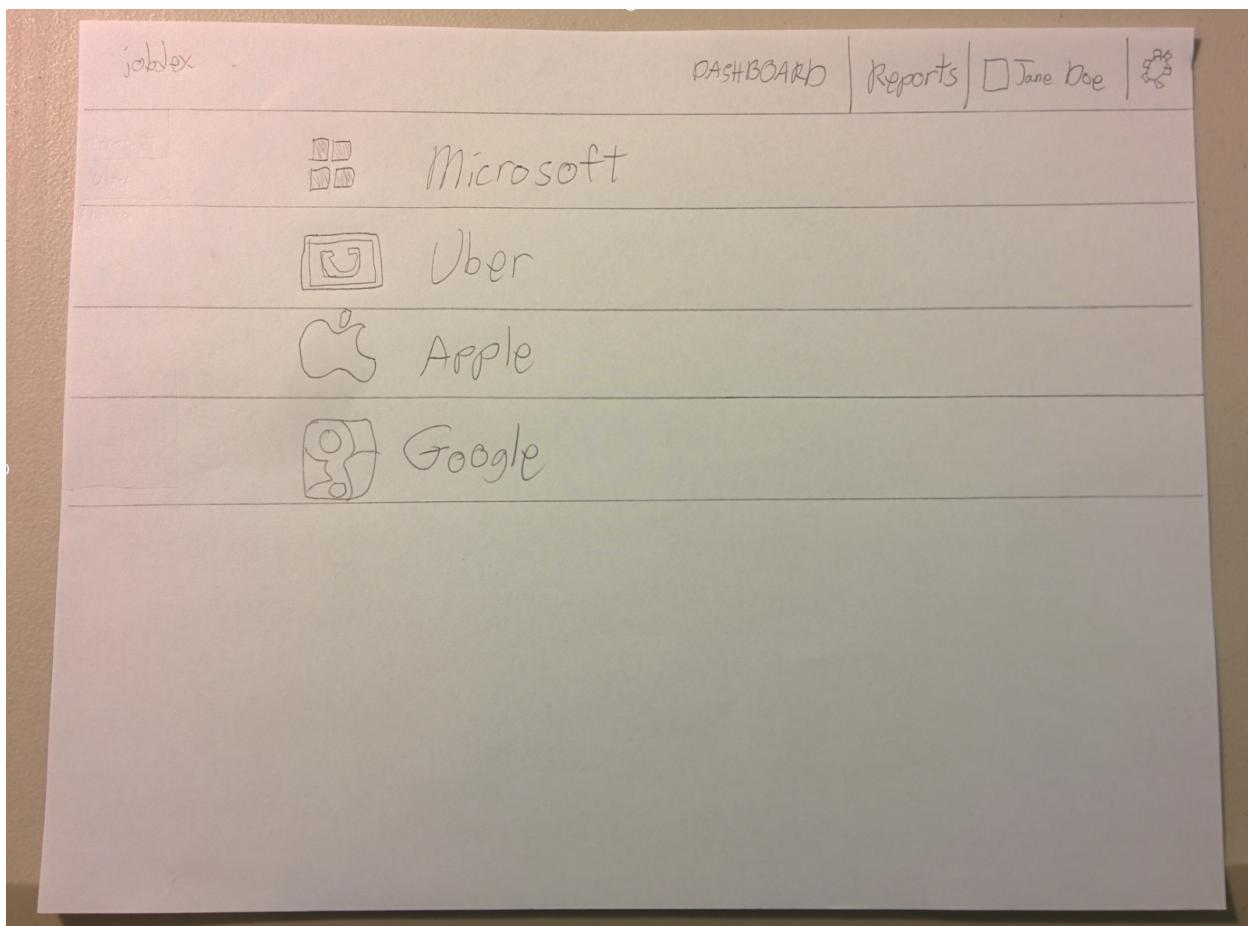


Figure 1.2 - Sketch of what the Dashboard could possibly look like when a card (e.g. "Uber") is clicked; experimenting with dropdown style menu; each card can display individual windows (e.g. Contacts, Notes)

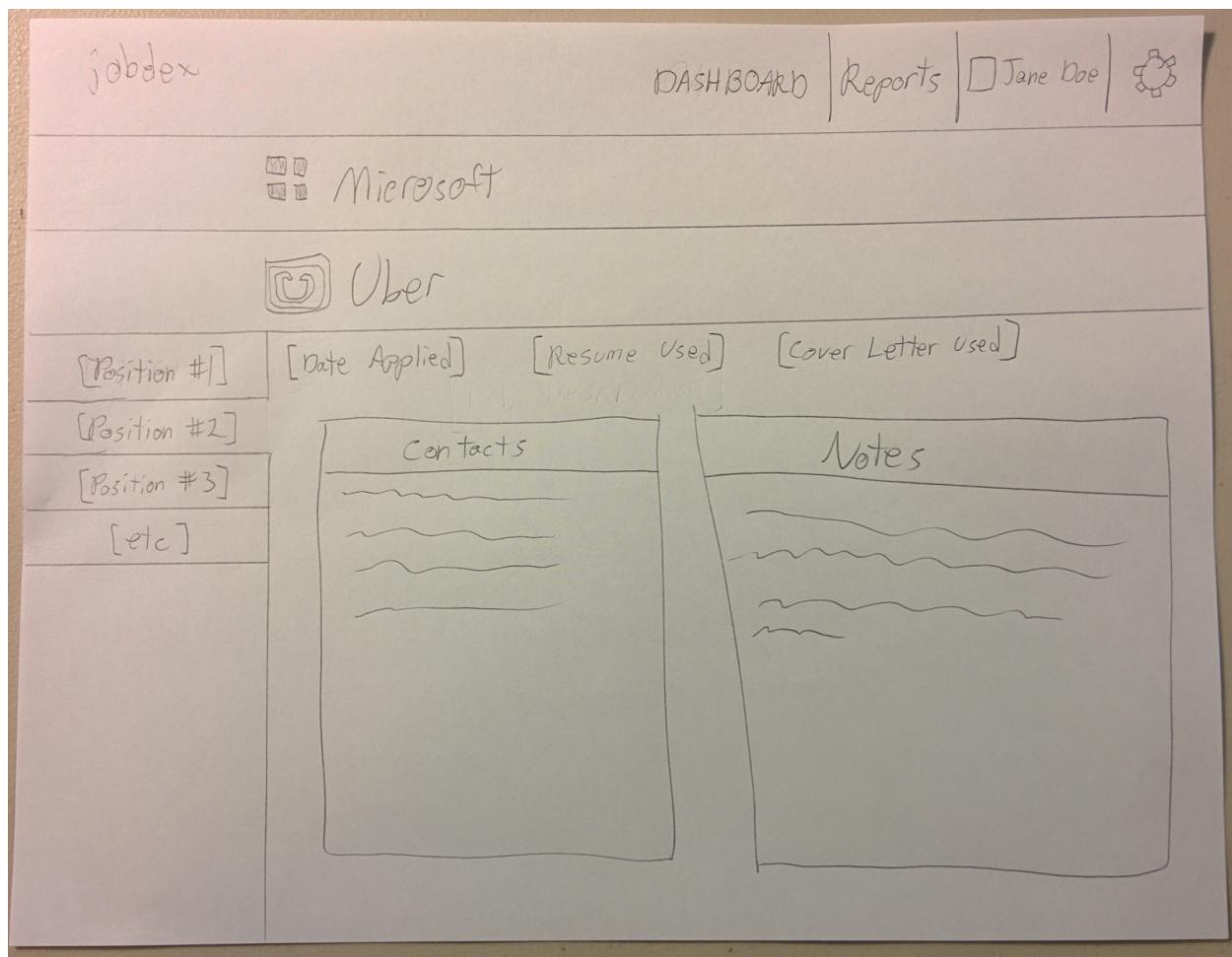


Figure 1.3 - Sketch of what the Reports page could possibly look like to display relevant charts, graphs, analytics on user's job application activity (e.g. # of companies you applied to in the last 7 days, average time it takes for recruiter to follow-up with you)

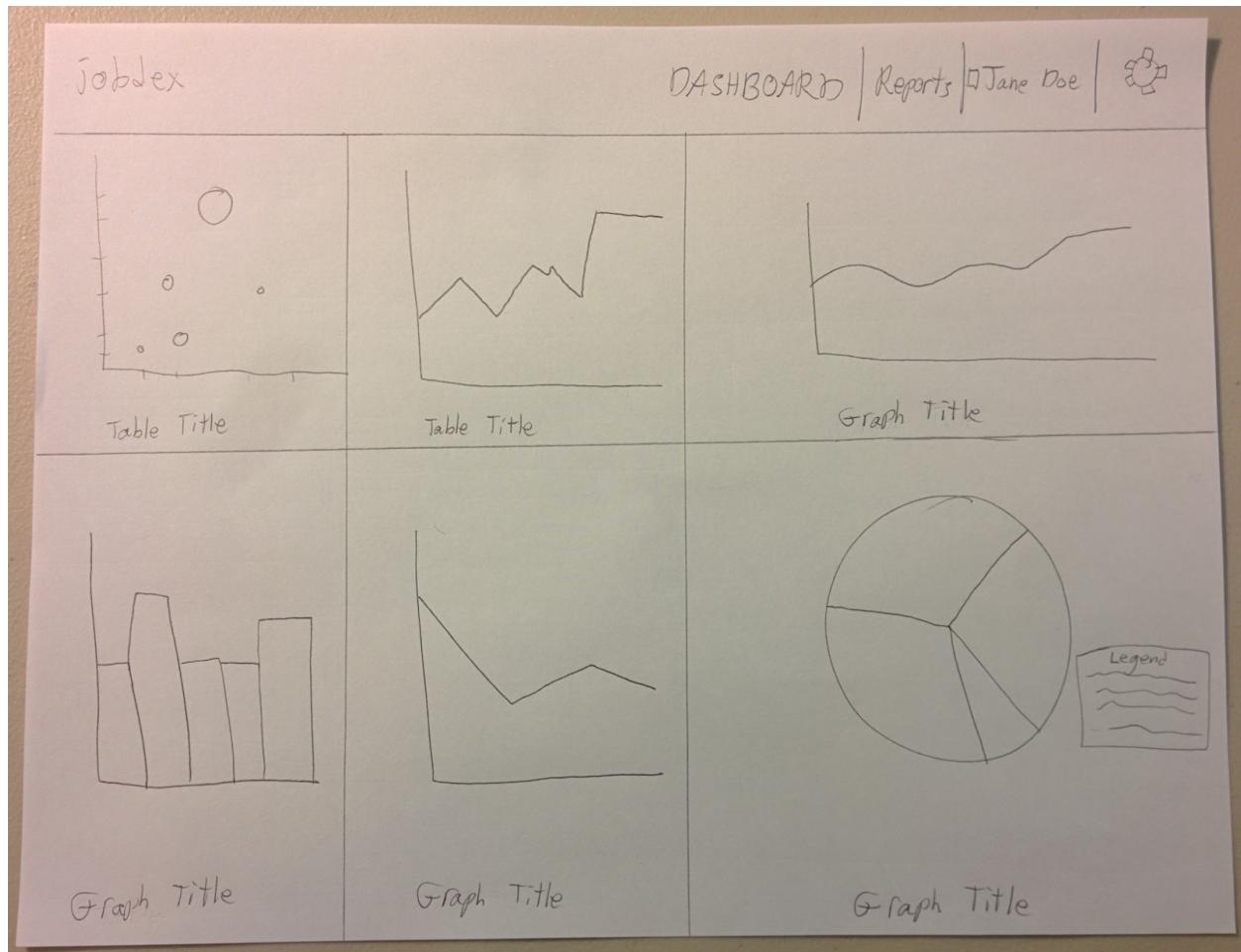


Figure 2.1 - Example logo



Figure 2.2 - Example sign-in page

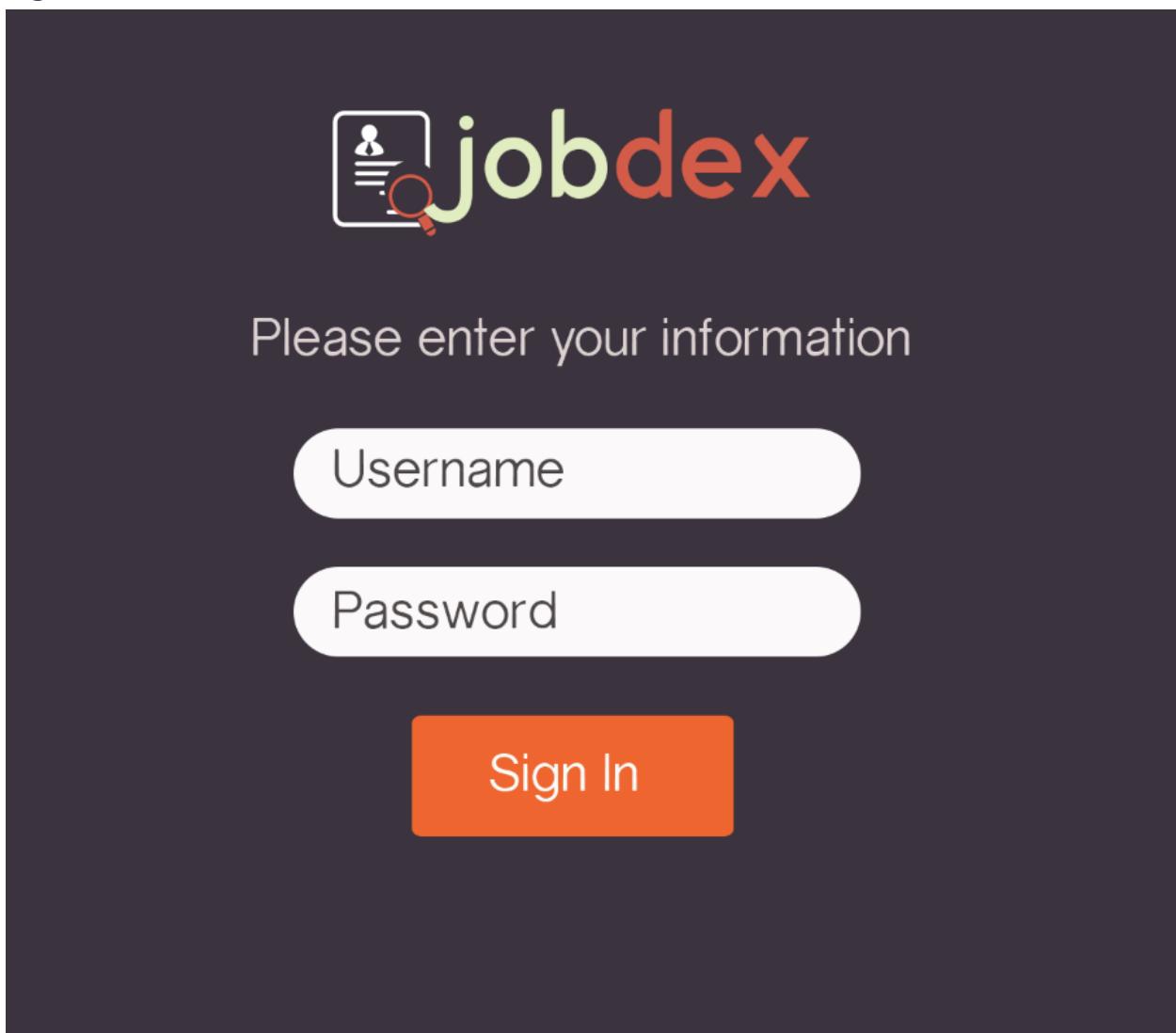


Figure 3.1 - Example of user's dashboard and card tabs

The screenshot shows the jobdex dashboard with the "Stage" tab selected. The sidebar on the left lists various companies. Each company has a card in the main area, color-coded by stage: green for Google, orange for Amazon, grey for Uber, yellow for LinkedIn, red for Zynga, yellow for Twitter, grey for Apple, yellow for Microsoft, and grey for Facebook.

**Figure 3.2 - Example information of what the “Stage” tab would contain within a card on the user’s dashboard (the color coding isn’t finalized, but for example: orange = pursuing, red = rejected, green = offered)**

The screenshot shows the jobdex dashboard with the "Stage" tab selected. The sidebar lists companies. The main area displays cards for specific roles:

- Software Engineer** (Green card): ROLE: The software engineer is the leader on innovation at Uber. You will be charged with changing the way people travel through backend architecture and implementation of algorithms. #backend #cs #technical #code
- Project Manager** (Orange card): ROLE: The software engineer is the leader on innovation at Uber. You will be charged with changing the way people travel through backend architecture and implementation of algorithms. #backend #cs #technical #code
- Tech Analyst** (Yellow card): ROLE: The software engineer is the leader on innovation at Uber. You will be charged with changing the way people travel through backend architecture and implementation of algorithms. #backend #cs #technical #code
- UI Designer** (Yellow card): ROLE: The software engineer is the leader on innovation at Uber. You will be charged with changing the way people travel through backend architecture and implementation of algorithms. #backend #cs #technical #code
- CEO** (Red card): ROLE: The software engineer is the leader on innovation at Uber. You will be charged with changing the way people travel through backend architecture and implementation of algorithms. #backend #cs #technical #code

**Figure 3.3 - Example of a job description of the role applied to displayed within a card and tagged with relevant hashtags for easy filtering**

# Software Engineer



ROLE: The software engineer is the leader on innovation at Uber. You will be charged with changing the way people travel through backend architecture and implementation of algorithms.

#backend #cs #technical #code