



Resumate

Students:

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Project Description

In the modern world, in this competitive work market, it's hard and sometimes impossible for graduating students to find a job and start their career path. The main issue is their inability to reflect their hard earned skills and qualities through their academic journey upon their curriculum vitae. The solution is "*Resumate*", a quality of life system, which automatically generates Resume/CV for the graduating student, which are based on student's accomplishments, courses, project and recommendations that were earned by the student. Resumate exposes a well designed and responsive resume web page, and also a lecturer and admin interface.

Market Requirements

Target Audience:

- First and foremost Resumate is targeted for students who just graduated or about to graduate and want to be ready for their first job.
- Lecturers, are also important for Resumate, since they can add recommendations on students, add course skills and overall greatly enhance the student's Resume.

Competition:

- [LinkedIn](#) - provides a simple interface for creating a managing resume/CV, super popular and the go-to solution. LinkedIn disadvantage is that you still need to manually insert everything and regularly update it.
- [Woo.io](#) - another great platform for getting job offers, this time anonymously, but again, suffers from the same "manual" sickness that linkedin has.

What do our competitors do well?

- LinkedIn really nailed it with the endless possibilities they offer to both recruiters and applicants. They even allow employees to seek job while being employed.
- Woo's is really good for people who want to decide the exact terms and locations of their future positions, enabling you to set minimum salary, location and more. The fact that you can anonymously search for a job is also a great plus.
- Other competitors:
 - <https://www.livecareer.com/resume-builder>
 - <https://resumebuilder.withgoogle.com/#null>
 - <https://www.myperfectresume.com/>
 - <https://uptowork.com/>
 - <https://www.resume-now.com/>
 - <https://resumegenius.com/>

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My Perfect Resume takes the hassle out of resume writing. Easy prompts help you create the perfect job-worthy resume effortlessly!

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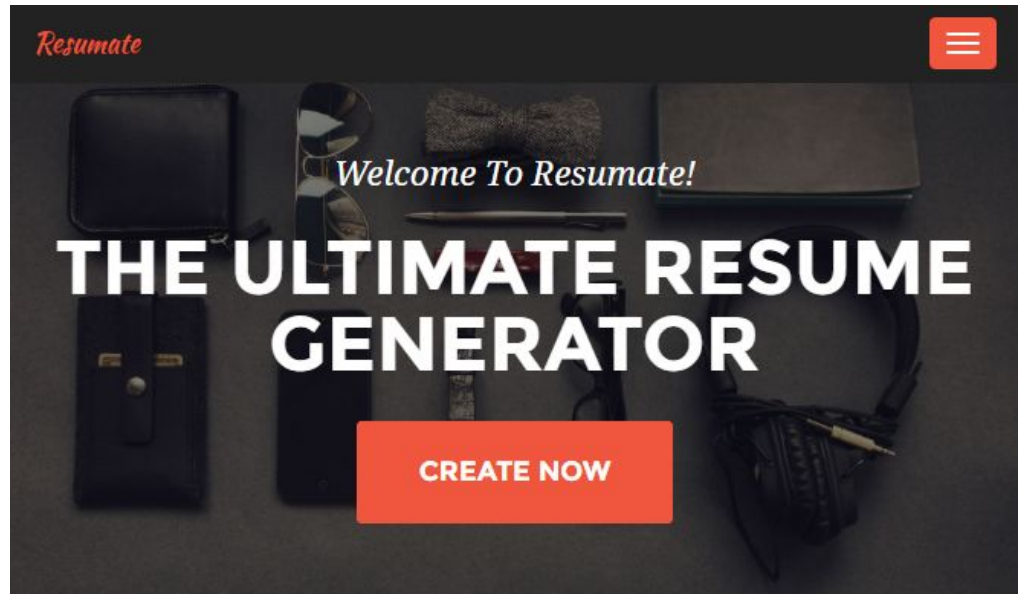
Why Resumate?

Resumate integrates directly with *Moodle*, so student's courses, achievements and grades automatically propagate into Resumate database, so there's no need to manually update the profile like you do in most of the profile systems like linkedin, facebook, etc.

User Requirements

User Stories:

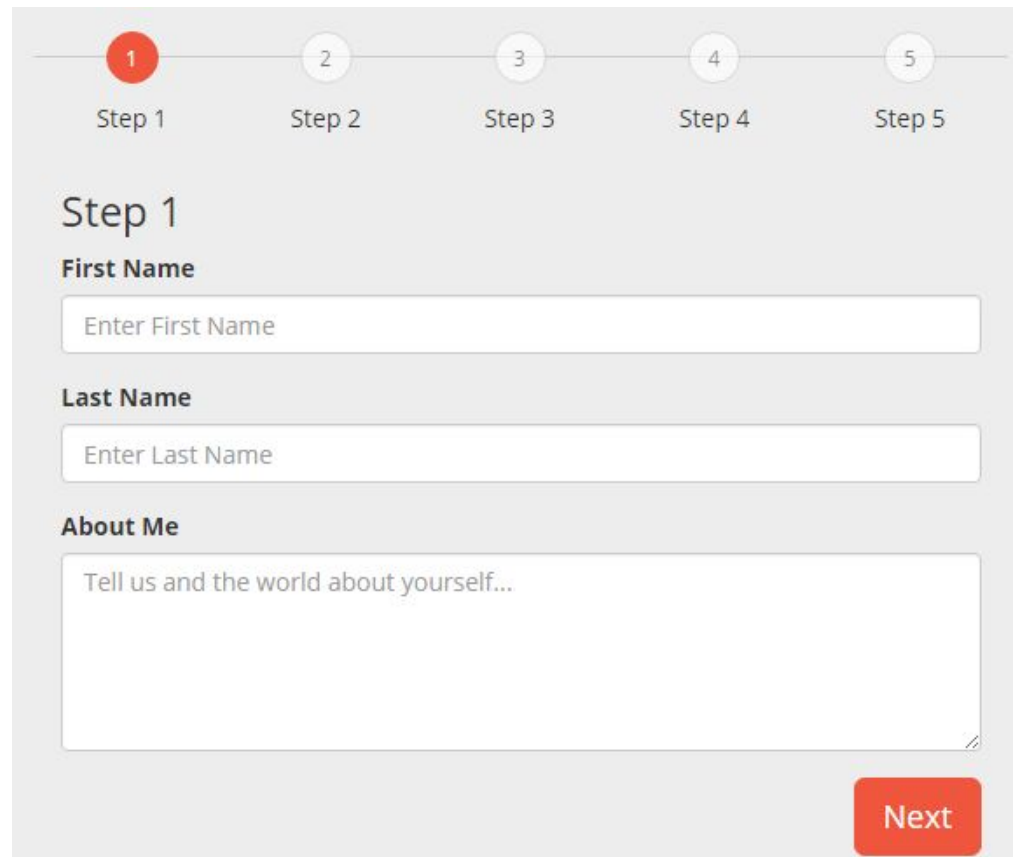
- a. Student on boarding:
 - i. Student will land in the landing page



- ii. Student will enter an email and password

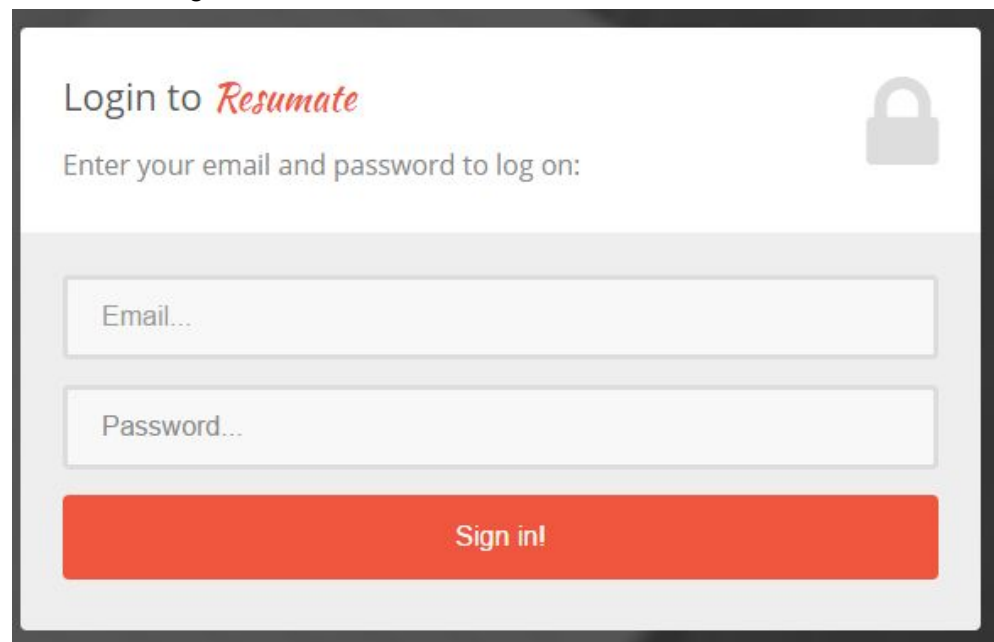
A screenshot of the Resumate sign-up form. The form is white and set against a dark background. At the top left, it says 'Sign up to Resumate' in a black sans-serif font, with 'Resumate' in red script. To the right of this text is a grey padlock icon. Below the header, the instruction 'Enter your email and password to log on:' is written in a smaller black font. The form contains two input fields: the first is labeled 'Email...' and the second is labeled 'Passwrod...'. Both labels are in a light grey font. At the bottom of the form is a wide orange button with the text 'Sign Up!' in white sans-serif capital letters.

- iii. Student will go through our wizard to complete on-boarding




The image shows a five-step onboarding wizard. At the top, five steps are listed: Step 1, Step 2, Step 3, Step 4, and Step 5. Step 1 is highlighted with a red circle containing the number 1. Below the steps, the title 'Step 1' is displayed. The form contains three sections: 'First Name' with a text input field containing the placeholder 'Enter First Name'; 'Last Name' with a text input field containing the placeholder 'Enter Last Name'; and 'About Me' with a larger text area containing the placeholder 'Tell us and the world about yourself...'. A red 'Next' button is located at the bottom right of the form.


- o Student view his resume:
 - i. Student will login to his Resumate account



The image shows a login form for 'Resumate'. At the top, it says 'Login to Resumate' with a padlock icon to the right. Below this, it says 'Enter your email and password to log on:'. There are two text input fields: 'Email...' and 'Password...'. At the bottom, there is a large red button labeled 'Sign in!'.

- ii. Student will then be taken to his resume page

Resumate



HELLO,

MY NAME IS **ORON** AND THIS IS MY RESUME

// ABOUT ME

Hi my name is Oron and I am a 3rd year Computer Science student at the College of Management, Today I am also an android developer in a small startup company that is creating the next luxury smartphone. Before that I was a team leader at the the biggest Telecom company in the USA -AT&T.

// EDUCATIONAL MILESTONES

2016

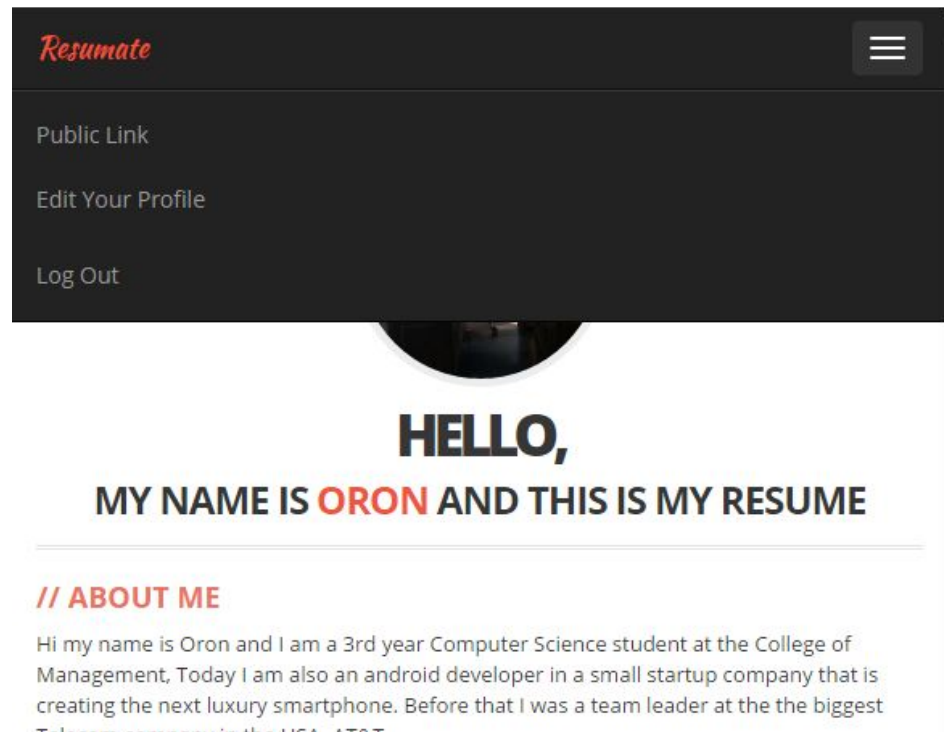
Final Project
Resumate - Public page for each student

2015

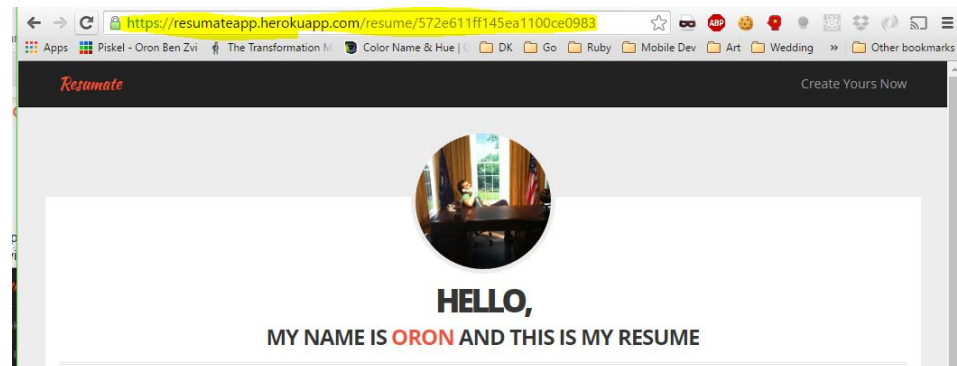
Network Lab

- Student gets the public URL of his resume web page

- i. Student will click the “Public Link” on the menu

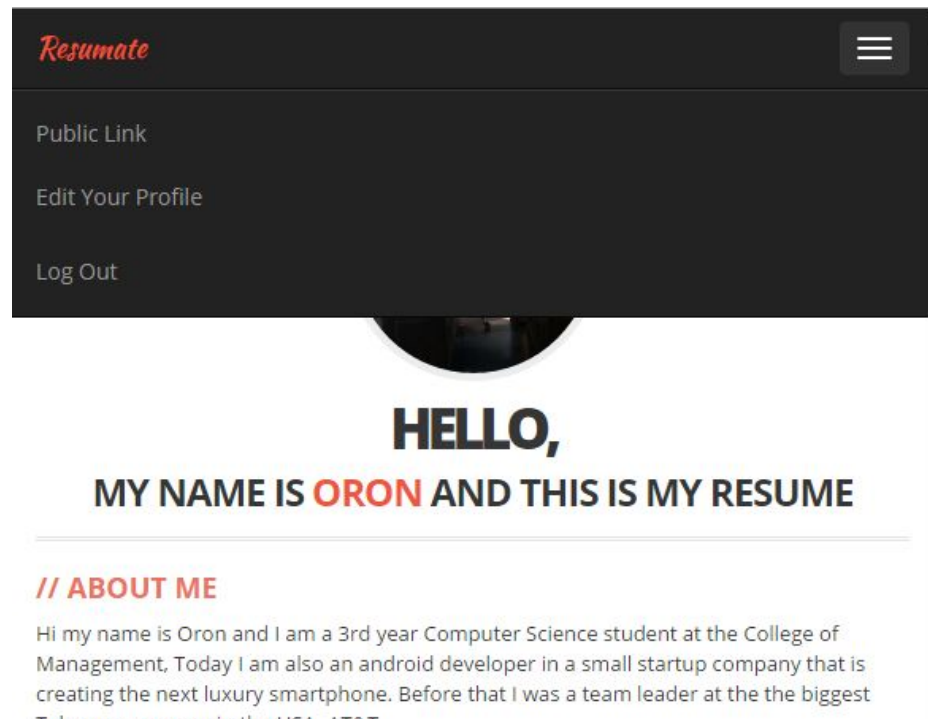


- ii. Student will copy the URL from the browser's address bar



- Student update his details

- i. Student will click the “Edit Your Profile” on the menu

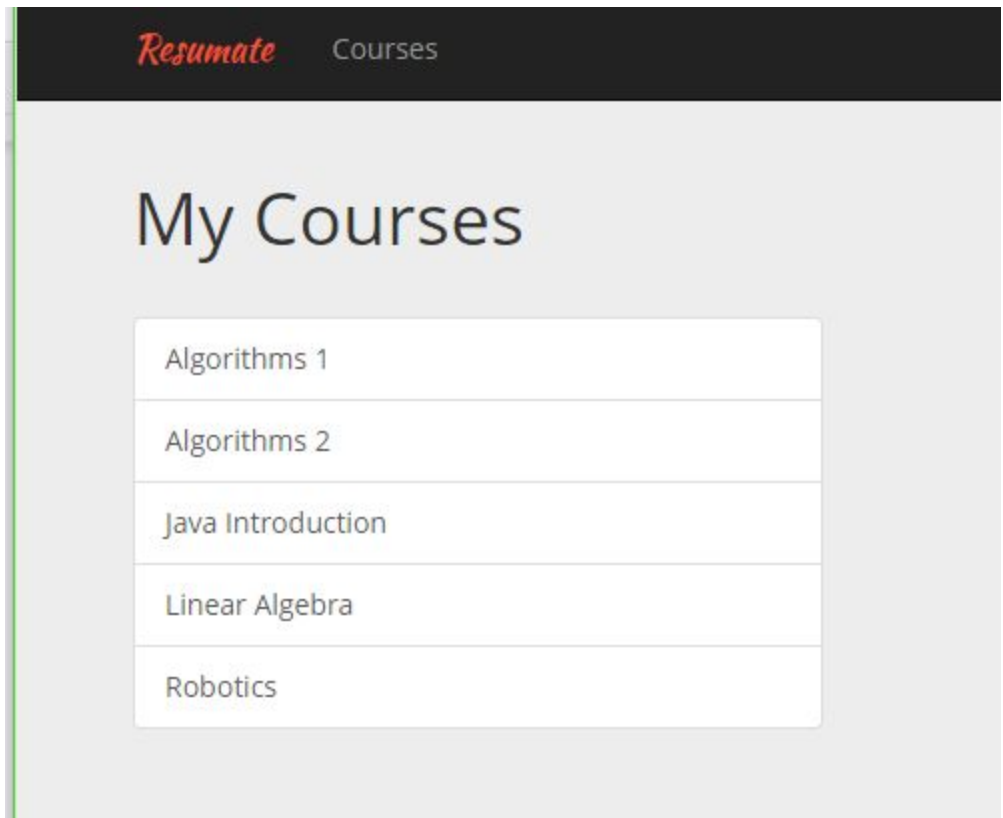


- ii. Student is free to edit any details

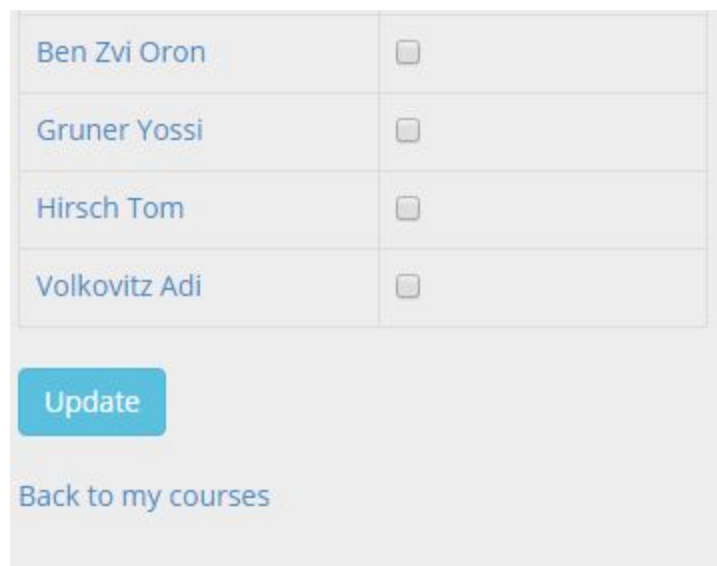
The screenshot shows the 'Step 1' of a multi-step form for editing profile details. At the top, there is a progress bar with five steps: Step 1 (highlighted with a red circle), Step 2, Step 3, Step 4, and Step 5. Below the progress bar, the title 'Step 1' is displayed. The form contains three sections: 'First Name' with a text input field containing 'Oron', 'Last Name' with a text input field containing 'Ben Zvi', and 'About Me' with a text area containing the same paragraph as seen in the previous screenshot. A red 'Next' button is located at the bottom right of the form.

- Lecturer recommends a student
 - i. Lecturer log-in to the system (same as student)

- ii. Lecturer clicks on one of his courses



- iii. Lecturer clicks on one of his course students



- iv. Lecturer click on “Add Recommendation button on the end of the resume



The screenshot shows a section titled "// RECOMMENDATIONS" in red. Below the title, there are two text entries, each starting with "Mr Lecturer". The first entry says "Oron is very professional and I think he'll be a good candidate for any hi tech company." The second entry says "This is another great recommendation!". At the bottom of this section is a red button labeled "Add Recommendation".

- v. Lecturer fill and submit his recommendation



The screenshot shows a form for submitting a recommendation. It features a large, empty text area for writing the recommendation. Below the text area are two buttons: a red "Submit" button and a yellow "Cancel" button.

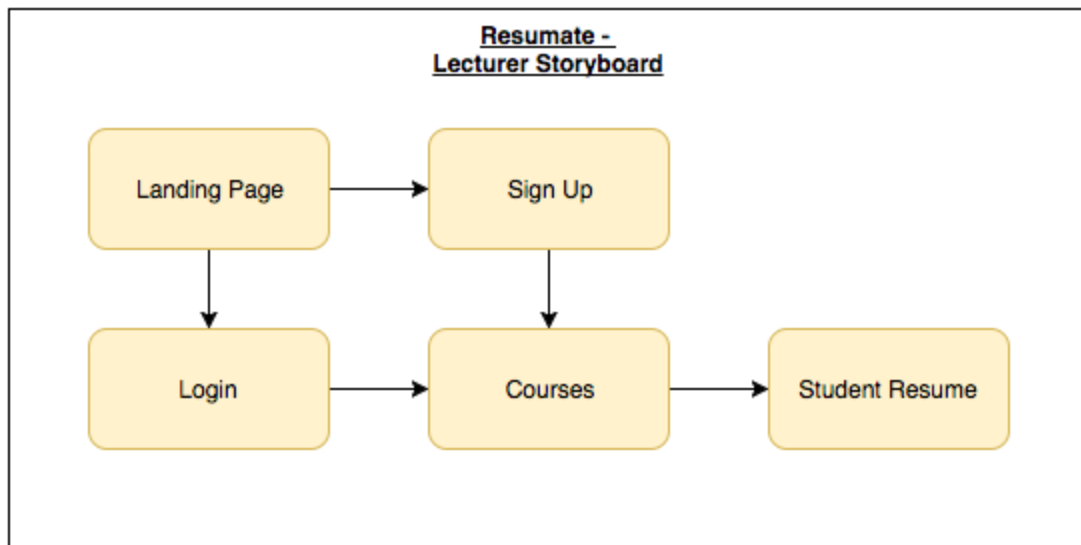
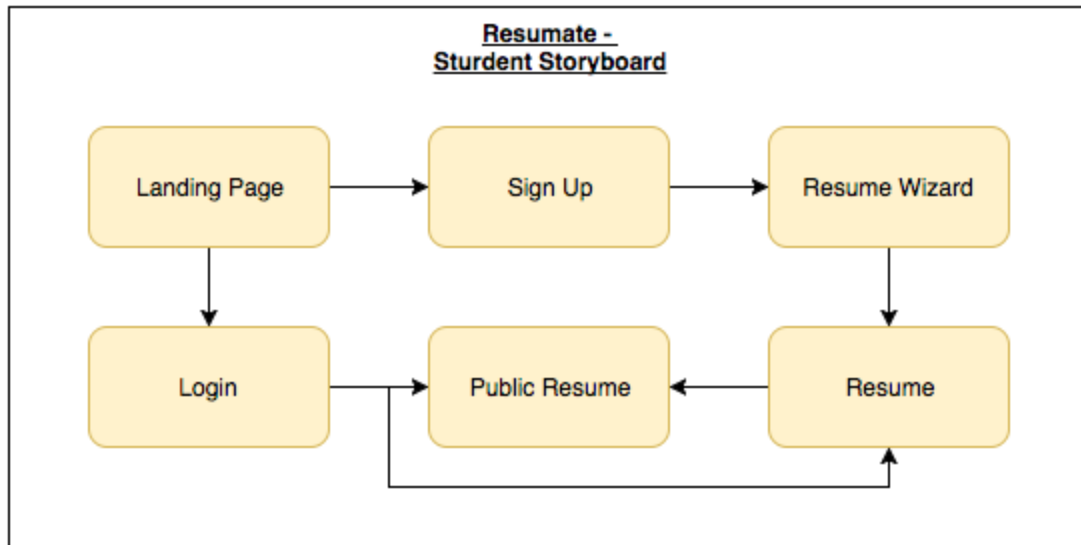
Features:

1. Student can create, manage and share his resume.
2. Lecturer can add recommendations on student's resume.
3. Admins can add lecturers to Resumate.
4. Integrations with LinkedIn, Facebook, github and more. *(Nice to have)*
5. A student index for headhunters who want to easily search by skills. *(Nice to have)*

Visual Design:

- Resumate is designed to look, professional, technological and reliable to make headhunters feel secured when browsing students resumes.

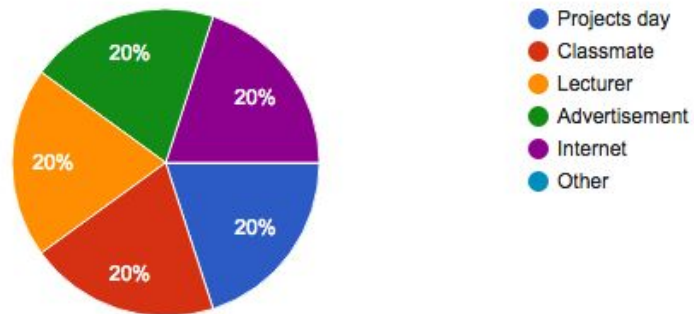
Storyboards:



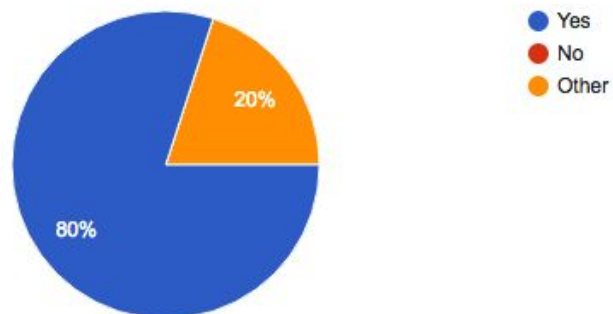
Invision Prototype: https://invis.io/7G8CDSKR3#/182665518_Lp1

Survey:

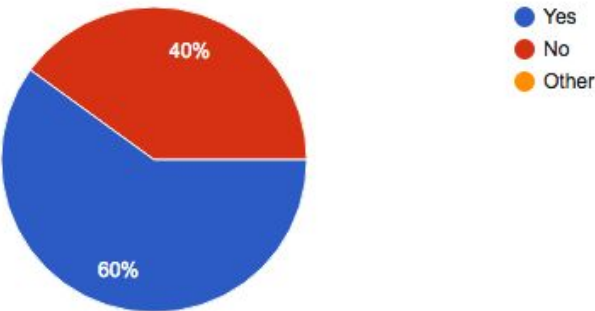
How did you hear about us? (5 responses)



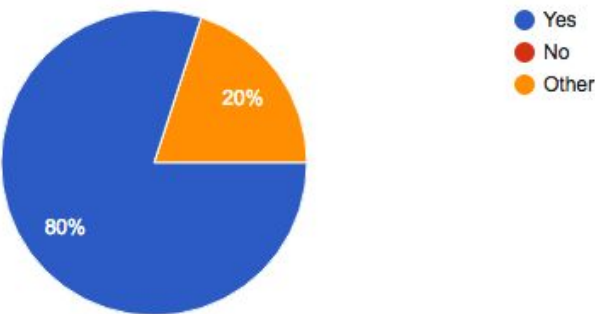
Do you find Resumate an easy to use solution? (5 responses)



Do you feel Resumate reflects well the experience you earned in Colman (5 responses)



Did Resumate significantly help with your hiring process? (5 responses)

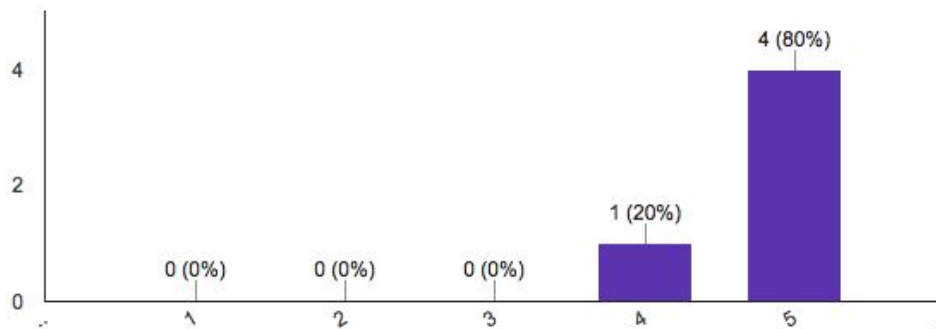


What do you believe is necessary or crucial to improve in the upcoming version?

(5 responses)

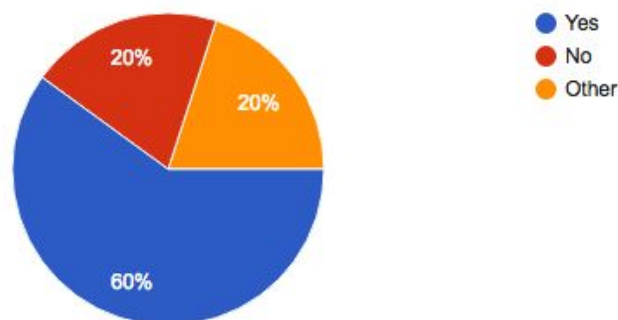
Integrate the system with more universities
It is just perfect the way it is now
The design looks like red communist China
Everything needs to be changed from the bottom
The integration with Moodle should support v2 now

Overall, I am very satisfied with the way Resumate performs (5 responses)



Based on your experience with Resumate, would you recommend this product to a friend?

(5 responses)



System Requirements

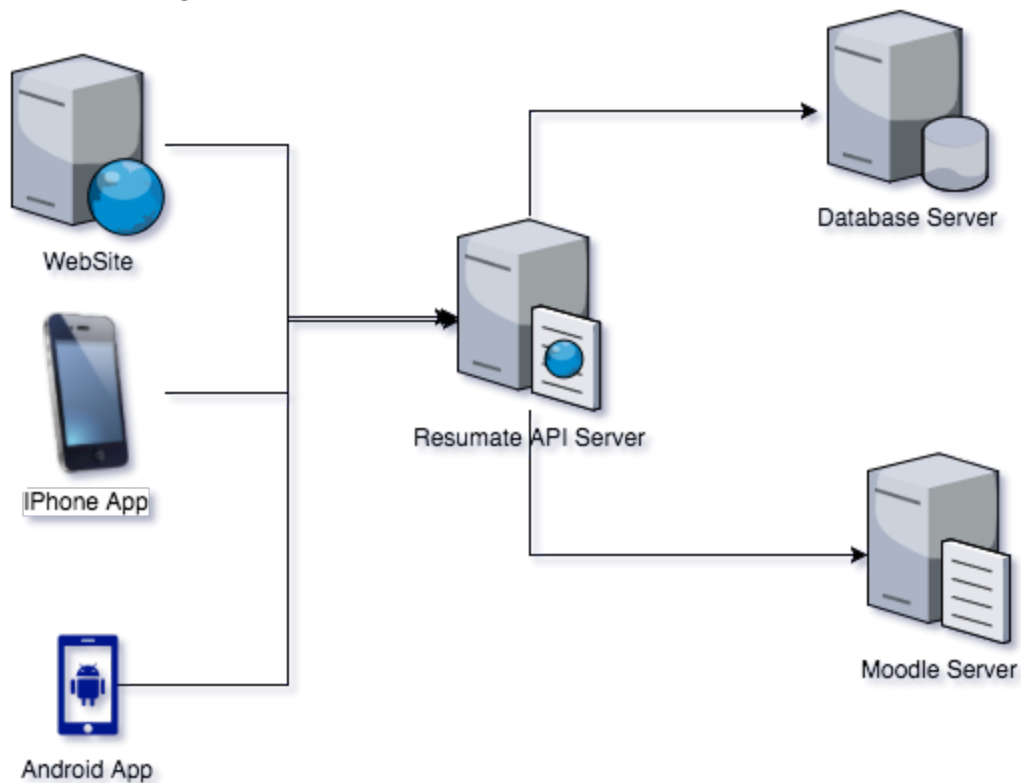
System Architecture Description:

Resumate products are: a Web App, an iOS App and an Android App. The Web App is developed with HTML, CSS and Javascript, with a framework called [Bootstrap](#). The iOS App is developed in Swift while and Android App is developed in Java. The server side (backend) is developed with [NodeJS](#) and hosted on [Heroku](#) platform. Our database is a [MongoDB](#) NOSQL and hosted on [mLab](#).

We use the following API's:

- a. [Moodle](#) to get the student's courses and achievements.
- b. [Gravatar](#) for getting the student's profile pictures, to reduce the cost of storage hosting.

System Architecture Diagram:



Data tables(Documents in NOSQL):

```
Courses: {
  name: String,
  moodleId: String,
  skills: [String]
}
Users: {
  firstName: String,
  lastName: String,
  role: String,
  courses: [{ type: Schema.Types.ObjectId, ref: 'Course' }],
  aboutMe: String,
  milestones: [],
  experience: [],
  hobbies: [String],
  languages: [String],
  phone: String,
  twitter: String,
  facebook: String,
  skype: String,
  local: {
    email: String,
    password: String
  },
  recommendations: [{
    author: { type: Schema.Types.ObjectId, ref: 'User' },
    content: String
  }]
}
```

Link to data visualization:

https://public.tableau.com/views/Resumate/Dashboard1?:embed=y&:display_count=yes

Technologies:

Resumate's Web App was developed using HTML, CSS and Javascript. With the following external libraries:

1. [jQuery](#) - To make complicated javascript operations simple as possible.
2. [Bootstrap](#) - To help us create a responsive website since day 1 that looks fabulous on any device with any resolution.

The Web App was developed using tools like [Atom](#) and [Webstorm](#).

Resumate's iOS App was developed in Xcode, using the Swift language.

Resumate's Android App was developed in Android Studio, using the Java language.

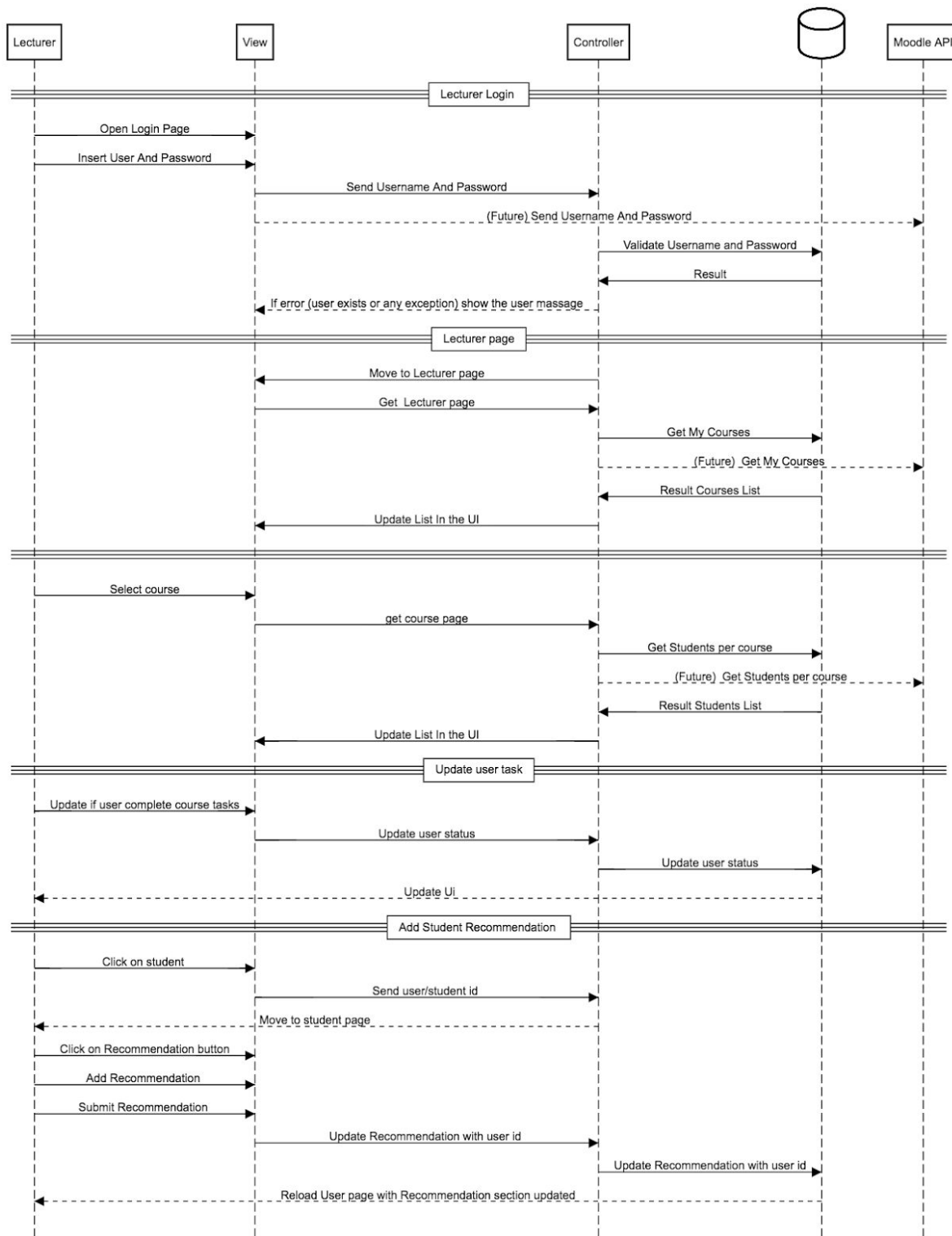
Resumate's backend was developed in [NodeJS](#) using the [ExpressJS](#) framework, backed by the [MongoDB](#) NOSQL database.

Resumate's code is hosted on [Github](#) and [Heroku](#) allowing us continuous deployment and integration. Resumate's connecting directly to [Moodle](#) API allowing us easy access to student's profiles. We also use [Gravatar](#) API to get student's profile pictures.

Flows (Sequence Diagrams):

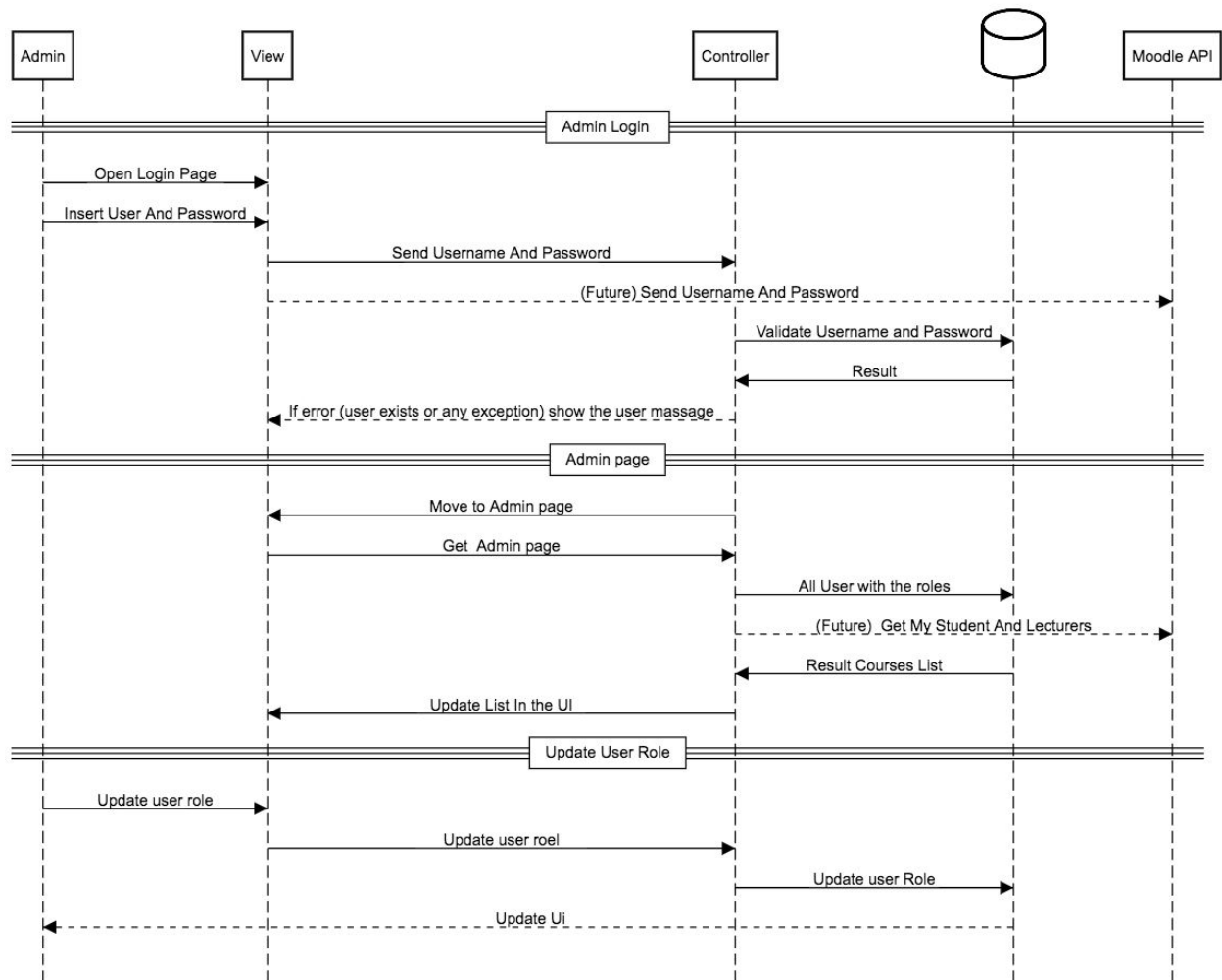
Lecturer flow, describing login, courses completion, skills, and student's recommendations.

Lecturer Flow

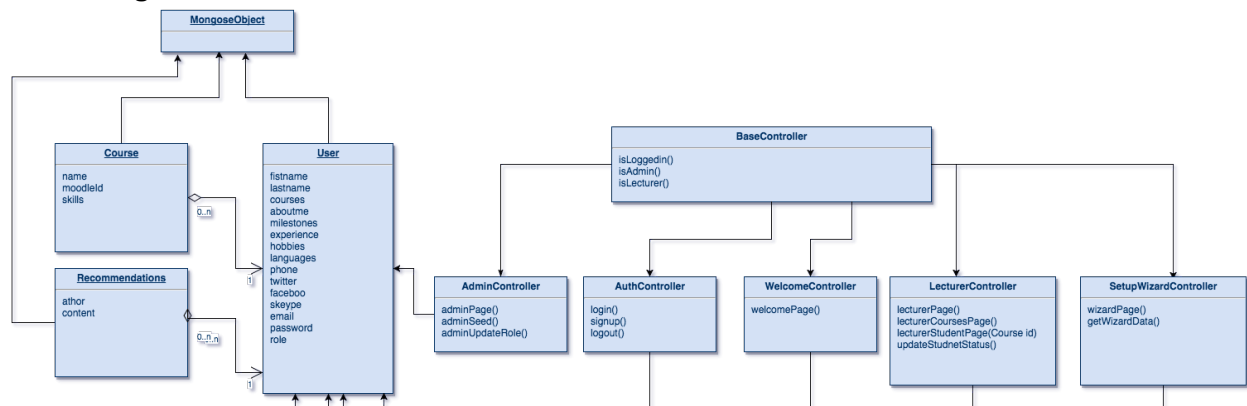


Admin flow, describes admin login and giving permissions to different types of users.

Admin Flow



Class Diagram:



Testing and QA Summary

Testing Process Description:

Unit tests and QA will test the following scenarios on each platform:

- New user registration
- User login
- Create new resume
- View resume
- Public resume
- Only admin can see admin page
- Only lecturers can see courses page
- Only lecturers can give recommendations
- Load test

Testing Environment Requirements:

- PC/Mac/Linux for running the web server with the following software:
 - Node.js
 - MongoDB
- iOS and Android for client testing

Testing Scenarios:

1. New User Registration:
 - Trigger: Click the “sign up” button.
 - Success: Redirect to Resume wizard.
 - Failure: Stayed on the sign up page.
 - User already exists
 - DB error
 - Any detail is empty
2. User login:
 - Trigger: Click the “login” button
 - Success: Redirect to student’s Resume.
 - Failure: Stayed on the login page.
 - Incorrect username/password
 - DB error
3. Create new resume:
 - Trigger: Sign up finished successfully.
 - Success: Redirected to the student’s Resume.
 - Failure: Stayed on the wizard page.
 - Missing information
 - DB error

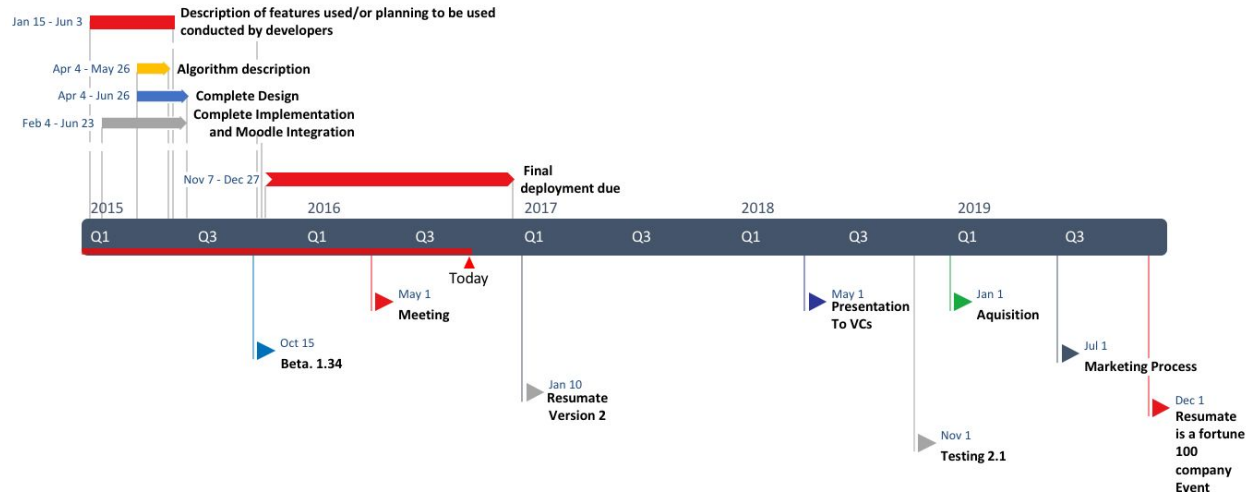
4. Only admin can see admin page:
 - Trigger: Go to '/admin' as a student.
 - Success: "Permission denied".
 - Failure: See admin page.
 - Admin role is given accidentally
 - Admin page missing security

Running Tests and Expected Results:

1. Run all unit tests with the: 'npm tests' command.
 - Expected results: All tests are green.
2. Run all QA scenarios manually.
 - Expected results: All scenarios succeed.

Methodology and Tools

Timing and Milestones:



Methodology:

For Resumate we've tried to work very **Agile**. We defined tasks for short periods (sprints) which allowed us to progress by feedback we've gathered from lecturers and students testing our system. This helped us to easily iterate and evolve to different directions if needed without putting too much effort ahead. After describing some of the benefits of Agile we'll describe some of its disadvantages:

- Agile is really demanding, requiring full power for short periods, like true sprints, this can be really stressful to work like this for a long period.
- With Agile, you never know what to expect in the future, and you can easily reach creep scope, and stray too far from the original idea.

All in all, we think that for Resumate it was the right choice, from the reasons described above.

Tools:

One awesome tool that allowed us implementing the Agile methodology and work asynchronously with each other is [GitHub](#).

With Github, we could do a lot of things with ease:

1. Push new code to the project without overwriting history, thus allowing us to restore the project to any previous state at any time and track code changes of other members

The screenshot displays a vertical timeline of GitHub commits. On the left, a vertical line with circular markers indicates the progression of time. To the right of this line, commit entries are listed, each containing a commit message, the author's name, the commit date, a green checkmark, a file icon, a commit hash, and a code icon. The commits are as follows:


- Commits on Jun 12, 2016**
Commit message: **wizard is now much more friendly: 1.wizard now retains your current i...**
Author: oronbz committed on Jun 12 ✓
Hash: e2a0e68
- Commits on Jun 10, 2016**
Commit message: **changed gravatar url to https**
Author: oronbz committed on Jun 10 ✓
Hash: 84e4d3d
- Commits on May 20, 2016**
Commit message: **Merge pull request #8 from yossigruner/Gravatar**
Author: oronbz committed on May 20 ✓
Hash: 6549d95
- Commits on May 18, 2016**
Commit message: **add step for user image**
Author: yossigruner committed on May 18 ✓
Hash: 5c57158
- Commits on May 13, 2016**
Commit message: **added gravatar to package.json**
Author: oronbz committed on May 13 ✓
Hash: 849571f
- Commits on May 11, 2016**
Commit message: **Add Gravatar**
Author: yossigruner committed on May 11 ✓
Hash: 85f5682

2. With the *Pull Request* mechanism we were able to code review each other remotely and asynchronously

add step for user image #8

Merged oronbz merged 1 commit into master from Gravatar on May 20


Conversation 0 Commits 1 Files changed 1




yossigruner commented on May 18


Owner + 🗑️

Add The Garavatar to setup wizard

 add step for user image ✓ 5c57158


 yossigruner referenced this pull request on May 18

Add photo upload to wizard and reflect it in the resume #4 **Closed**

 oronbz merged commit 6549d95 into master on May 20

2 checks passed

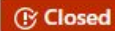
[View details](#) [Revert](#)

 oronbz deleted the Gravatar branch on May 20

[Restore branch](#)

3. Create and comment new tasks, bugs or issues

about me text editor are limited #2

 **Closed** yossigruner opened this issue on Mar 27 · 2 comments



yossigruner commented on Mar 27

Owner



about me text editor are limited to 300 char
i think its should be 3000



oronbz commented on Mar 27

Collaborator



Hi @yossigruner, go ahead and make a PR for this, make sure you reference this issue in the PR
put this: #2 in the comment



1



oronbz commented on Mar 28

Collaborator



Fixed



oronbz closed this on Mar 28

Another tool we've tried to work with is [JIRA](#):

RES board

Sample Sprint 2

5 days remaining Complete Sprint

Board

QUICK FILTERS: Only My Issues Recently Updated

To Do In Progress Done

RES-10 IN PROGRESS 2 sub-tasks As a developer, I can update story and task status with drag and drop (click the triangle at far left of this s

RES-11 Update task status by dragging and dropping from column to column >> Try dragging this task

RES-12 When the last task is done, the story can be automatically closed >> Drag this task to "Done" too

Other Issues 5 issues

RES-13 As a developer, I can update details on an item using the Detail View >> Click the "RES-13" link

RES-14 As a user, I can find important items on the board by using the customisable "Quick Filters"

RES-15 As a scrum master, I can see the progress of a sprint via the Burndown Chart >> Click

RES-16 As a team, we can finish the sprint by clicking the cog icon next to the sprint name above the

RES-17 Instructions for deleting this sample board and project are in the description for this issue >>

JIRA, is much more extensive tool for managing sprints, issues, bugs and projects. It lacks the version control feature which was really important for us and we didn't want to use two tools from the beginning, so we chose GitHub.

Here's a quick comparison between GitHub and Jira for managing projects:

Feature\Product	GitHub	Jira
Version Control	Yes	No
Manage Sprints	No	Yes
Manage Issues	Yes	Yes
Simple to Use	Yes	No
Time Estimations	No	Yes
3rd Party Integrations	Yes	Yes
Two Factor Auth	Yes	Yes
Pricing/Licensing	Free for public repositories	Free trial

Bibliography

Resumate Web App - <https://resumateapp.herokuapp.com/>

NodeJS - <https://nodejs.org/en/>

MongoDB - <https://www.mongodb.com/>

Bootstrap - <http://getbootstrap.com/>

jQuery - <https://jquery.com/>

GitHub - <https://github.com/>

Heroku - <https://dashboard.heroku.com>

Papertrail - <https://papertrailapp.com>

mLab - <https://www.mlab.com>

Atom - <https://atom.io/>

Webstorm - <https://www.jetbrains.com/webstorm/>

Mockuphone - <http://mockuphone.com/>

Draw.io - <https://www.draw.io/>

Sequencediagram - <http://sequencediagram.org/>

JIRA - <https://www.atlassian.com/software/jira>

Invision - <https://www.invisionapp.com/>