



Platypus

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Vision

Managing students based on academic need
and extracurricular interest as the preferred
social media platform of academia.

*A student-centered web application that matches users with
classmates for projects, study groups, and extracurricular activities.*

Methodologies

Iterfall ★★★

- Important to complete for necessary set up and choosing software tools
- Too rigid once project in full swing

Agile ★★★★

- Works better with school schedules
- Increased flexibility & communication

Methodologies

Pair Programming ★★★★

- Speeds up simultaneous research and coding
- Co-learning
- Increasingly difficult as tasks diverged

Peer Code Review ★★★★

- Fresh eyes to catch mistakes

Project Tracker



- Intuitive
- Hard to set deadlines
- Oversimplified tasks

The screenshot shows a Trello board titled "Platypus". The board has several lists:

- Current Tasks**: Contains cards for "Finish Final Report" (PA), "Project Final Presentation in Google Docs" (CH, ML, PA), and "Add a card...".
- Done**: Contains cards for "CSS dynamic resizing to accomodate various screen sizes" (CH), "Print error messages when user fails login or registration" (AK), "Fix live site errors" (AK), "Fix autosizing class and group lists" (AK), "Make login page layout more intuitive (put Sign Up button in a less confusing place)" (AK), "Fix registration details (username should be SID)...maybe use forms?" (AK), "Add a link in home template to allow users to navigate to Add Courses page" (AK), "Get "Find Classes" button to do something?" (AK), and "Add a card...".
- Key**: Contains cards for "Structural" (Urgent), "Needs To Be Done...Eventually", and "Secondary".
- Upcoming Deadlines**: Contains cards for "P9 - Final Report" (D Apr 28), "P10 - Peer Evaluations" (D Apr 28), and "P8 - Presentation" (D May 1).
- Requirements**: Contains cards for "[B-01] As an administrator I want all accounts to have a @colorado.edu address to ensure it is only students using the site (2)", "[B-02] As an administrator I want the app to be free to use (for students) so that students can afford it (1)", "[U-01] As a user, I want to be able to edit my profile so that I can adjust for new classes and projects (5)", "[U-02] As a user, I want to be able to search for and create classes, including times and dates, and title of class, so that I can connect with other users in my specific classes (8)", "[U-03] As a user, I want to receive an email with my password so that I can find it if I forget it (3)", "[U-04] As a user, I want to be able to create a profile so that I can allow others to view my classes and interests (8)", and "[U-05] As a user, I want to be able to search for other users with the same classes so that I can put them in my profile (1)".

Collaboration



- Notifications
- Up-to-date

Hey guys so I finally fixed my problems (now that its 2 in the morning). Sorry it took so long, Amos Leo Kim just so you know what I did, in the models.py the student class now returns user.username instead of student_id. However in the populate script username is assigned to the student id. So basically it does the same thing. I know this probably wasn't the best way to do it, but it seems to be the only thing that worked.

[Unlike](#) · [Comment](#)

You and Paige Alleman like this.

Seen by everyone

Caleb Hsu Woohoo nice job!
April 9 at 10:22am · Like

Amos Leo Kim Awesome! I'll pull the changes tonight and get the output script to work with the new db. At that point, we will be pretty close to a functioning product. Thanks for the hard work, everyone.
April 9 at 11:11am · Like

Write a comment...

Amos Leo Kim
April 7 at 9:58pm

Caleb Hsu, migrations now work properly. It wasn't working earlier because Django saves all migration logs to a folder called "migrations" in the app folder. Once I deleted the database and the logs, everything started working hunky dory.

Mitchell Lewis or anyone else: if you could please pull, run the development server, and navigate to the admin page to verify that the database has been migrated and populated properly, that would be great. admin page located at: localhost:8000/admin
user: leo
password: platypus123

[Like](#) · [Comment](#)

Seen by everyone

View 14 more comments

Caleb Hsu Everything migrated fine, just error I mentioned before in populate_matchapp.py regarding octals. What do you want to do?
April 7 at 11:12pm · Like

VCS Repository



- Fork/Clone/Push/Pull Request
- Easily kept track of new changes
- Isolating bugs to specific commits

The screenshot shows a GitHub repository page for `CSCI3308_Project1`. The repository has 215 commits, 1 branch, 0 releases, and 5 contributors. The latest commit was authored by `calebhsu` 12 hours ago. The repository contains files like `Platypus`, `Project Information`, `.gitignore`, and `README.md`. The `README.md` file describes the project as managing students based on academic need and extracurricular interest as the preferred social media platform of academia.

ieokim89 / **CSCI3308_Project1** Unwatch ▾ 5

215 commits 1 branch 0 releases 5 contributors

branch: master CSCI3308_Project1 / +

Fixed some typos calebhsu authored 12 hours ago latest commit 3d9fa59963 ↗

Platypus Fixed some typos 12 hours ago

Project Information Renamed headers to match Moodle reqs 5 days ago

.gitignore Set up test webpage 27 days ago

README.md Added repo organization diagram for clarity 2 days ago

README.md

Platypus

Managing students based on academic need and extracurricular interest as the preferred social media platform of academia.

Database



Advantages

- Easy to use with Django - plug and play!
- Standard SQL commands
- Lightweight

Disadvantages

- Not as scalable as robust DBs like MySQL
- Saved in single file

Testing



- Basic unit testing
- Easy to create/run tests

Auto-Documenter

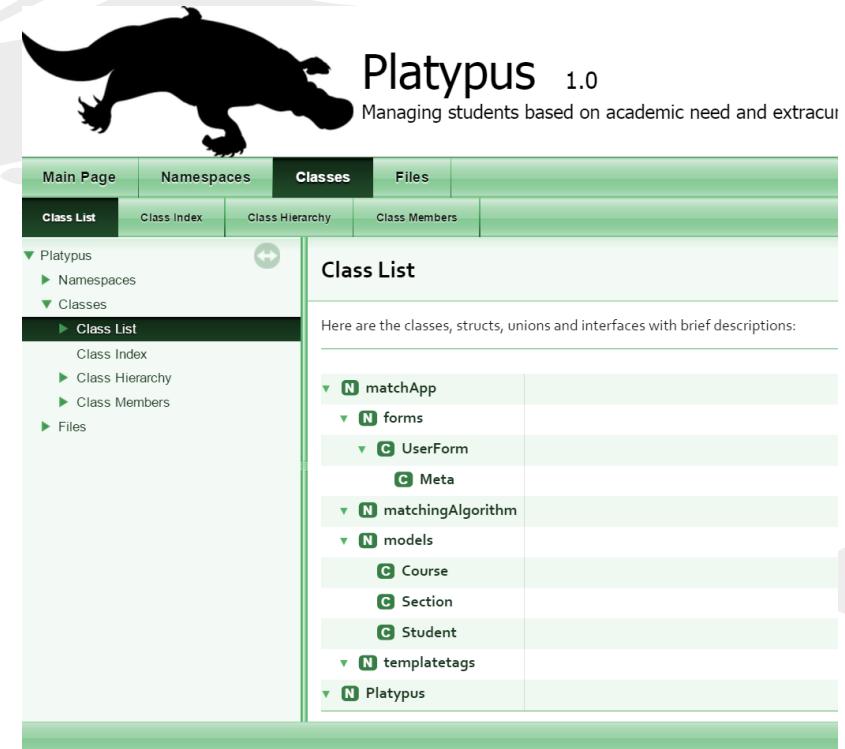


Advantages

- Easy to use
- Creates customizable HTML
- PDF summary

Disadvantages

- Not optimized for Python



The screenshot shows a web-based documentation interface for a project named "Platypus 1.0". At the top, there is a black silhouette of a platypus. Below the header, a navigation bar has "Main Page", "Namespaces", and "Classes" as active tabs, while "Files" is inactive. Under "Classes", sub-options include "Class List", "Class Index", "Class Hierarchy", and "Class Members". A sidebar on the left lists categories: "Platypus" (with "Namespaces" and "Classes" collapsed), "matchApp" (with "forms", "UserForm", and "Meta" expanded), "matchingAlgorithm" (with "models", "Course", "Section", and "Student" expanded), "templatetags" (with "Platypus" expanded), and "Platypus" (which is also expanded). The main content area displays a list of classes with brief descriptions, corresponding to the expanded sections in the sidebar.

Deployment



Advantages

- Simple setup & use
- Built-in SQLite Support

Disadvantages

- Limited to Python & its popular frameworks

Frameworks



Advantages

- Sets up necessary components of project
- Built-in tools like user authentication
- Powerful

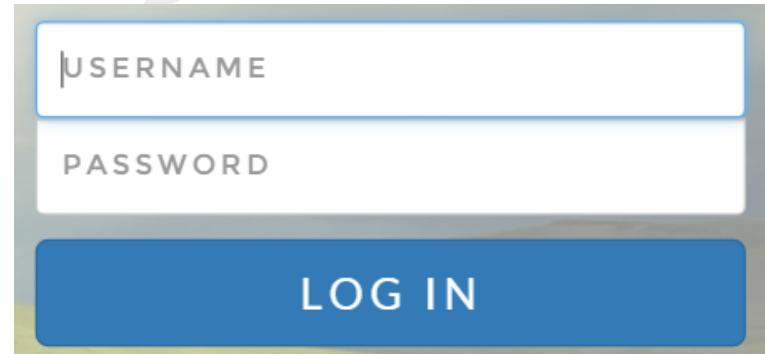
Disadvantages

- Steep learning curve

Frameworks



- Overwhelming for simple page design & purposes
- Ended up using our own CSS



Challenges

- No web development experience = steep learning curve
 - different learning styles and pace
- Database overhaul led to a lot of bugs
- Spending time on tools / code we didn't use (MongoDB)
- Merge conflicts

Overcame by...

- pair programming to solve problems together
- assigning individuals to tasks that utilized strengths

Demo

The image consists of a landscape photograph of rolling green hills under a cloudy sky. Overlaid on the left side is a dark rectangular box containing the text "ABOUT PLATYPUS" and a descriptive paragraph about the application. Overlaid on the right side is a login/signup form with fields for username and password, and buttons for "LOG IN" and "SIGN UP". A silhouette of a platypus is positioned above the login form.

ABOUT PLATYPUS

Platypus is an online application designed to help students share and collaborate by aiding in project group selection. Looking for a group? Add your class and get automatically matched with fellow classmates!

© TEAM PLATYPUS

LOG IN / SIGN UP

USERNAME

PASSWORD

LOG IN

NO ACCOUNT?

SIGN UP!