



Team #14: StudyIn

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Brief Description and Vision Statement

For university students who have the desire to network with colleagues within mutual majors and courses, StudyIn is a college-based social network website that facilitates communication between students that wish to make study groups and more. Unlike other social networks such as Facebook and Tinder, which lack the collegiate focus that university students need, our product will cater to a student's academic and social success.

"To connect the sphere of young scholars united in their purpose to achieve mastery in their college classes."



User Requirements



On the StudyIn website, users are able to...

- ☐ Log in using their student information (IdentiKey for CU students)
- ☐ View their schedule and classes upon logging in
- ☐ Select their classes from their schedule and be directed to a group page for that course
- ☐ View other students who are in similar courses
- ☐ Message back and forth with other students
- ☐ Overlap schedules with other students
- ☐ Have the website suggest the optimal times to study with other students based on both schedules

Tools  GitHub  Trello  slack  MySQL

Rating:

VCS Repository: GitHub

5/5

Project Management: Trello (project tracker), Slack (team messaging)

3/5, 4/5

Database: MySQL

5/5

Other Back-End: REST Server in PHP, JSON

5/5

Testing Tool: PHPUnit

2/5

Deployment Environment: Computer and Phone Browsers

5/5

Languages: HTML, CSS, PHP, JSON



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Armenian1/StudyIn: College S... x

GitHub, Inc. [US] https://github.com/Armenian1/StudyIn

Armenian1 / StudyIn

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College Studygroup Site

43 commits 1 branch 0 releases 4 contributors

Branch: master New pull request

Create new file Upload files Find file Clone or download

raychillcs committed on GitHub Added Milestone6.pdf (Final Presentation PPT) Latest commit e4ab359 12 minutes ago

DataBase	Edited DataBase	18 hours ago
StudyIn_App_Netbeans	-Initial App created	2 months ago
Website	Added Milestone #5. Test cases still need work	16 days ago
Website_edited	Edited DataBase	18 hours ago
JSON_example.json	-Added Example JSON file, which rest will return	23 days ago
PreliminaryPresentation.pdf	Added slideshow from preliminary presentation	8 days ago
ProjectMilestone1_StudyIn.pdf	Added Milestone1.pdf	8 days ago
ProjectMilestone2_StudyIn.pdf	-Added Milestone2.pdf	2 months ago
ProjectMilestone3_ERDiagram.pdf	Added ER Diagram from Milestone3.pdf	8 days ago
ProjectMilestone3_StudyIn.pdf	Added Milestone3.pdf	8 days ago
ProjectMilestone5_StudyIn.pdf	Added Milestone #5. Test cases still need work	16 days ago
ProjectMilestone6_StudyIn.pdf	Added Milestone6.pdf (Final Presentation PPT)	12 minutes ago
README.md	Update README.md	3 months ago

Mac OS X dock with various application icons including Finder, Safari, Mail, Calendar, Photos, Music, App Store, Messages, WhatsApp, Telegram, Google Drive, Chrome, Brave, Spotify, OneDrive, Word, PowerPoint, and a trash can.



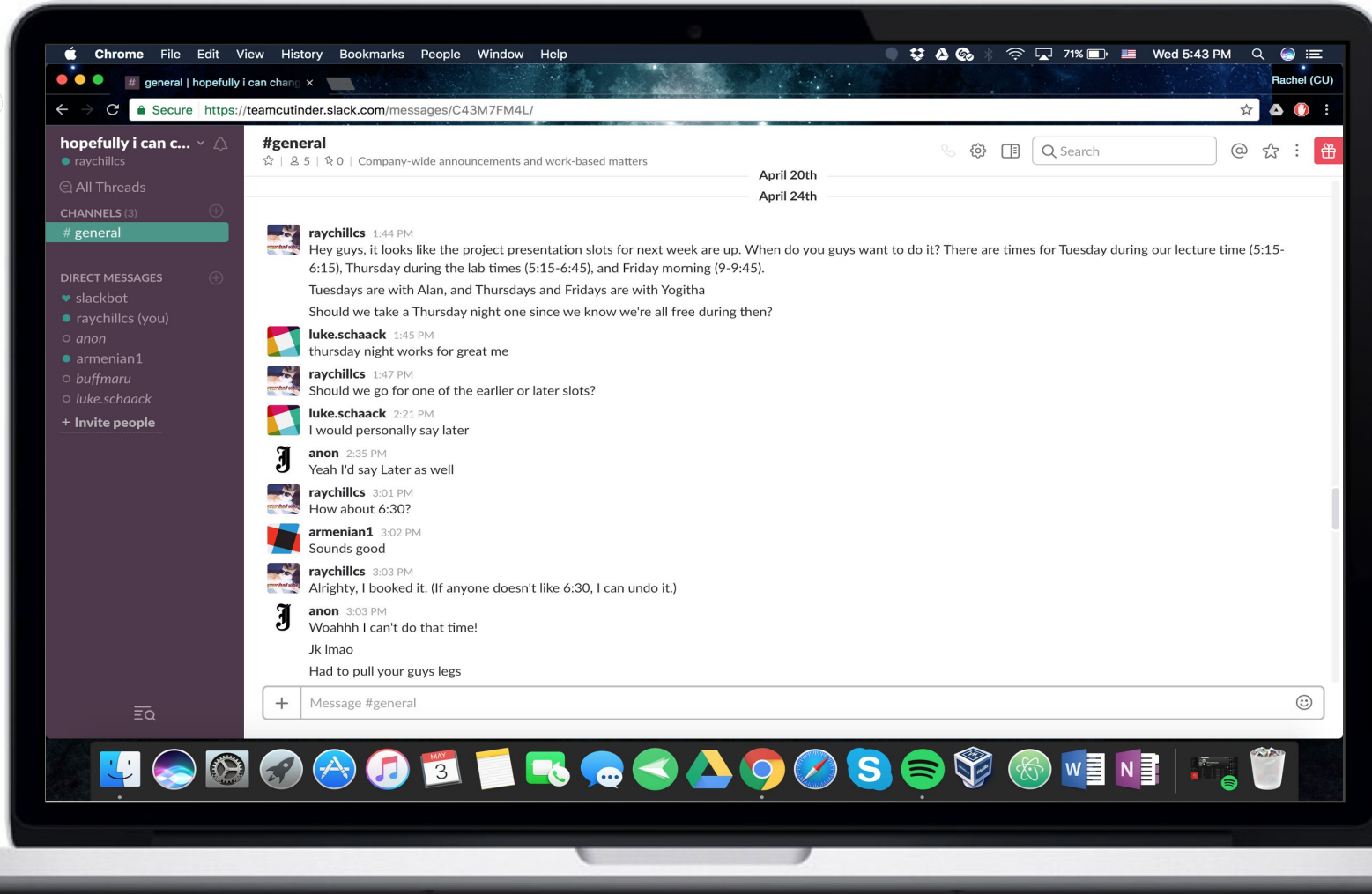
Mac OS desktop displaying a Trello board named "Development".

Browser: Chrome, URL: <https://trello.com/b/g3ihvdJa/development>, User: Rachel (CU).

Trello Board: Development

- Milestones**
 - Milestone #1: Project Proposal (due February 14)
 - Milestone #2: Project Tools and Agile Methodology Summary (due February 18)
 - Milestone #3: Database (due March 21)
 - Milestone #4: Individual Student Meetings and Project Demo (due April 5 - April 13)
 - Milestone #5: Unit Testing (due April 18)
 - Milestone #6: Final Project Presentations (due May 4)
 - Milestone #7: Final Submission (due May 9)
- User and Non-Behavioral Requirements**
 - As a user I would like to be able to login using my IdentiKey.
 - As a user I would like to be able to view my schedule and classes upon logging in.
 - As a user I would like to be able to select my classes from my schedule and be directed to a course group page.
 - As a user I would like to be able to view other students who are in similar classes as me.
 - As a user I would like to be able to message other students that are in my classes.
 - As a user I would like to be able to overlap schedules with other users.
- Product Backlog**
 - Login Page
 - Create account from Identikey
 - Homepage
 - Schedule table showing classes
 - MySQL for main database
 - MySQL Lite for inner database
 - Token Handling
 - Scrape info from MyCUInfo
 - Php rest server returning JSON
 - Connectivity
- In Progress**
 - Token Handling
 - Scrape info from MyCUInfo
 - Connectivity
- Done**
 - Login Page
 - Create account from Identikey
 - Homepage
 - Schedule table showing classes
 - MySQL for main database
 - MySQL Lite for inner database
 - Php rest server returning JSON

Mac OS Dock (from left to right): Finder, Launchpad, System Monitor, Safari, App Store, Music, Calendar (May 3), Notes, Messages, WhatsApp, Telegram, Google Drive, Chrome, Spotlight, Slack, Spotify, Docker, RStudio, Word, PowerPoint, System Preferences, Trash.



hopefully i can change

All Threads

CHANNELS (3)

general

DIRECT MESSAGES

slackbot

raychillcs (you)

anon

armenian1

buffmaru

luke.schaack

+ Invite people

#general

5 | Company-wide announcements and work-based matters

April 20th

April 24th



raychillcs 1:44 PM

Hey guys, it looks like the project presentation slots for next week are up. When do you guys want to do it? There are times for Tuesday during our lecture time (5:15-6:15), Thursday during the lab times (5:15-6:45), and Friday morning (9-9:45).

Tuesdays are with Alan, and Thursdays and Fridays are with Yogitha

Should we take a Thursday night one since we know we're all free during then?



luke.schaack 1:45 PM

thursday night works for great me



raychillcs 1:47 PM

Should we go for one of the earlier or later slots?



luke.schaack 2:21 PM

I would personally say later



anon 2:35 PM

Yeah I'd say Later as well



raychillcs 3:01 PM

How about 6:30?



armenian1 3:02 PM

Sounds good



raychillcs 3:03 PM

Alrighty, I booked it. (If anyone doesn't like 6:30, I can undo it.)



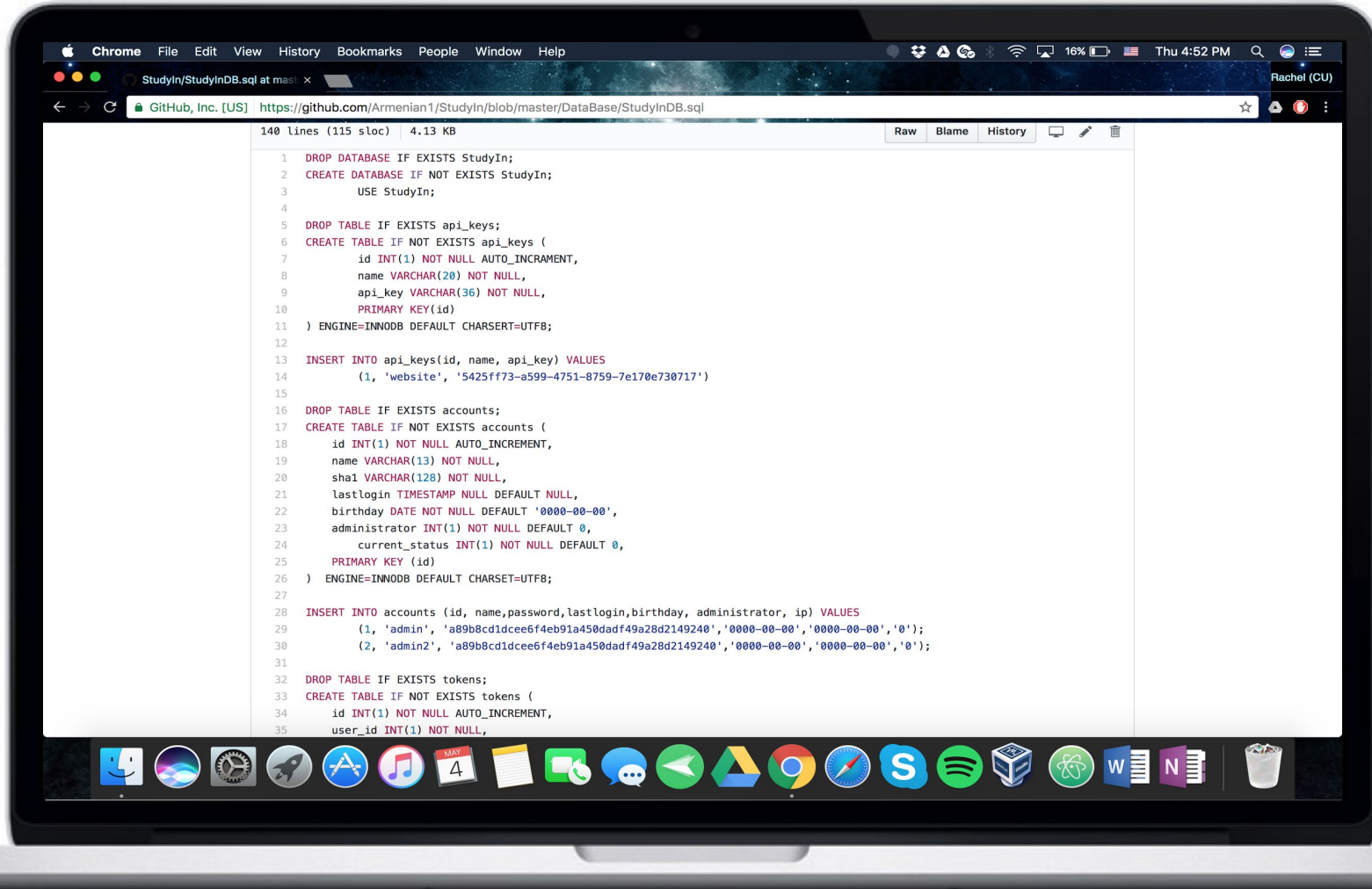
anon 3:03 PM

Woahhh I can't do that time!

Jk lmao

Had to pull your guys legs

+ Message #general





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StudyIn/scheduleTest.php at master · Armenian1/StudyIn · GitHub

Armenian1 / StudyIn

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Branch: master StudyIn / Website / scheduleTest.php Find file Copy path

Armenian1 Added Milestone #5. Test cases still need work 7dfe6e5 16 days ago

1 contributor

21 lines (15 sloc) 258 Bytes Raw Blame History

```
1 <?php
2
3 use PHPUnit\Framework\TestCase;
4 include schedule.js;
5
6 class scheduleTest extends TestCase
7 {
8     $expected = schedule::convertStdToMili('1:00pm');
9     public function testConvertStdToMili()
10     {
11
12         $this->assertEquals(
13             1300,
14             $expected
15         );
16     }
17 }
18 ?>
19
20
```

Methodologies

Agile Software Development



- ❑ **Incremental, iterative development cycles**
 - ❑ Plan, design, build, test, review, launch, and repeat
- ❑ **Scrum Framework**
 - ❑ Sprints based on Milestones and individual team goals
 - ❑ Prioritizes features of high value
 - ❑ Weekly Scrum Meetings: Thursdays
 - ❑ Accomplishments, planning, and challenges

Peer Code Reviews



- ❑ Reviewing teammate code once pushed to GitHub
- ❑ Improvements in formatting, style, naming, design, maintainability, and functionality

Challenges Encountered

1. Website vs. App: Switching from App to Website

- a. Trouble deciding which, then switching part way through
 - **Overcame by:** Making a smooth transition, working to catch up, Agile methodology

2. Differing experience levels and courses

- a. Some with much more experience than others: Hard to split up work
- b. Extremely varying schedules: Hard to coordinate meetings/work
 - **Overcame by:** Learning from others, communicating more

3. Lack of Communication

- a. Differing schedules: Lack of replying
 - **Overcame by:** Meeting together, setting meetings in stone

Key Lessons Learned

Tools and Methodologies:

1. Importance of VCS Repository, Project Tracker, collaboration tools, etc.
2. Importance of iterative (Agile) methodologies, continuous (Scrum) meetings, repetitive Sprints

Overall Process:

1. From the beginning, try to find a firm idea that everyone agrees on.
2. If you're more experienced than your teammates: Make sure others are on the same page and are able to follow; If you're less experienced than your teammates: Learn as much as you can from those with more experience.
3. Communication is crucial to a team's success.



Now for the demo...