



# **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

**Deployment Environment:** Computer and Phone Browsers

5/5

**Languages:** HTML, CSS, PHP, JSON



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Armenian1/StudyIn: College Studygroup Site

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

Armenian1 / StudyIn

Watch 3 Star 0 Fork 0

Code Issues 0 Pull requests 0 Projects 0 Wiki Pulse Graphs

College Studygroup Site

41 commits 1 branch 0 releases 4 contributors

Branch: master New pull request Create new file Upload files Find file Clone or download

raychillics committed on GitHub Added Milestone3.pdf Latest commit 53e422b 7 days ago

DataBase	-Removed Extra column in Accounts Table	14 days ago
StudyIn_App_Netbeans	-Initial App created	2 months ago
Website	Added Milestone #5. Test cases still need work	15 days ago
Website_edited	-Removed Extra column in Accounts Table	14 days ago
JSON_example.json	-Added Example JSON file, which rest will return	22 days ago
PreliminaryPresentation.pdf	Added slideshow from preliminary presentation	7 days ago
ProjectMilestone1_StudyIn.pdf	Added Milestone1.pdf	7 days ago
ProjectMilestone2_StudyIn.pdf	-Added Milestone2.pdf	2 months ago
ProjectMilestone3_ERDiagram.pdf	Added ER Diagram from Milestone3.pdf	7 days ago
ProjectMilestone3_StudyIn.pdf	Added Milestone3.pdf	7 days ago
ProjectMilestone5_StudyIn.pdf	Added Milestone #5. Test cases still need work	15 days ago
README.md	Update README.md	3 months ago

May 3

MacOS dock icons: Finder, Spotlight, System Preferences, Launchpad, App Store, Music, Calendar, Notes, Messages, WhatsApp, Telegram, Google Drive, Chrome, Safari, Slack, Spotify, Docker, Atom, Word, PowerPoint, Task View, Trash.



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Development | Trello

Secure <https://trello.com/b/g3ihvdJa/development>

Boards

Trello

+ RS Rachel Slagle

Development ☆ Team Visible

... Show Menu

### 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)

Add a card...

### 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.

Add a card...

### 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

Add a card...

### In Progress

- Token Handling
- Scrape info from MyCUInfo
- Connectivity

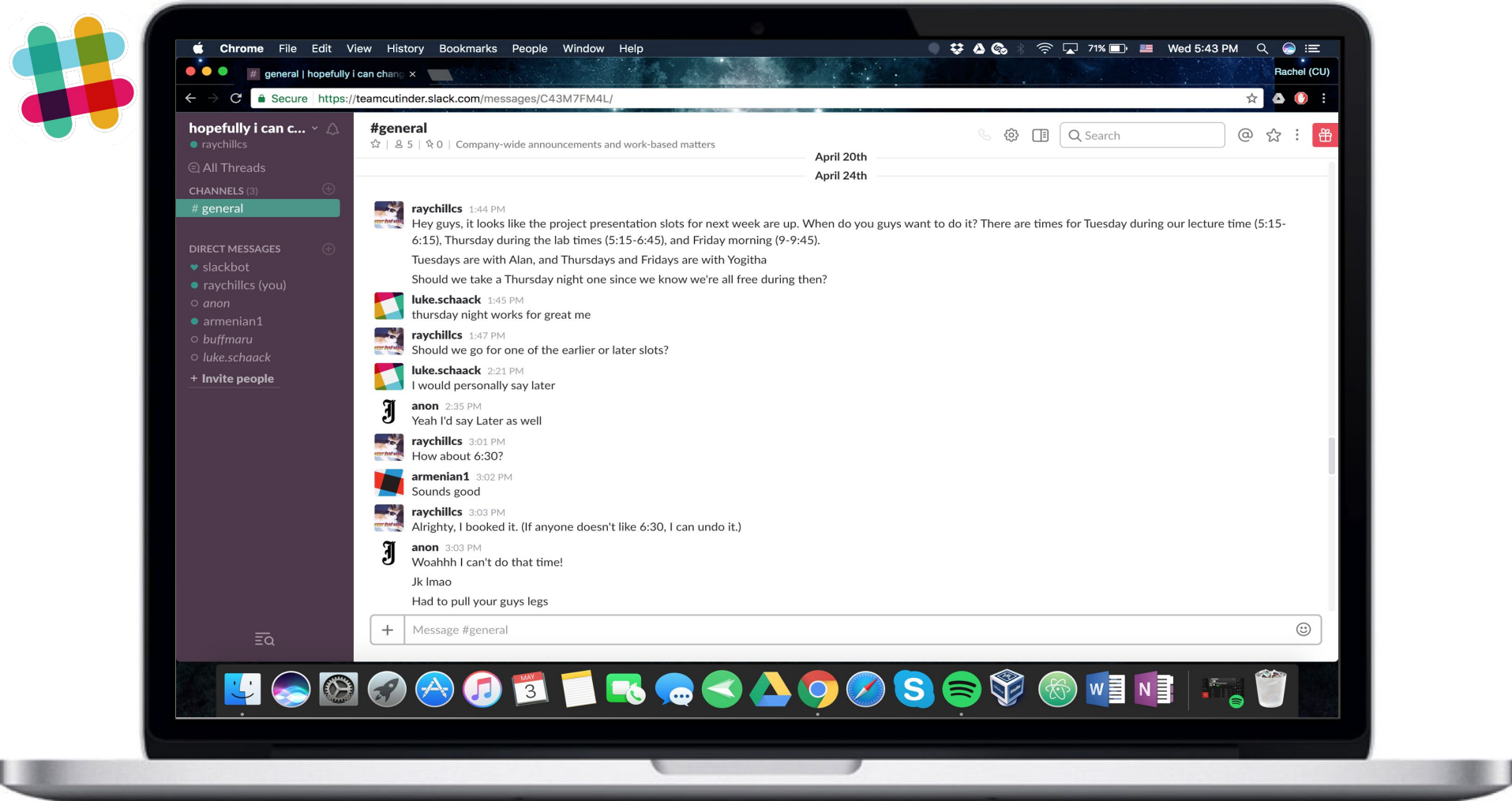
Add a card...

### Done

- Login Page
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Add a card...

Mac OS X dock with icons: Finder, Spotlight, System Preferences, Launchpad, App Store, Music, Calendar (May 3), Notes, Messages, WhatsApp, Telegram, Google Drive, Chrome, Safari, Slack, Spotify, Docker, RStudio, Word, PowerPoint, Mail, Trash.





# 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!**