

Teammate Finder

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The Problem

Every aspiring or passionate developer desires to work on projects that matter. Where are these projects found? Some get hired by companies where they get to work on various applications of different sizes. Others find inspiration within themselves; they come up with their own project ideas.

However, because the program the developer desires to work on might be big or complex, it would be nice to gather a team of passionate programmers to work together on the idea. Most developers resort to contacting their friends, colleagues, or classmates to form a team, but that does not always work, because they might not like your project idea, or they might just be uninterested.

For students or beginners, working as a team on an interesting project is one of the best ways to become a better developer. Unfortunately, there are not many places where students can go to find others that are as passionate as them to work on a common project.

In essence, one problem that passionate developers often face is the inability to find passionate, hard-working teammates for personal or commercial projects.

The Project Description

We're creating a web application that helps Vanier college students in the Computer Science program find people to work with on coding projects. Many students have ideas but don't have anyone to help them achieve it. This project makes it easier to find others who are interested and have the same skills or goals.

Users can sign up, create a profile, and either join a project or post their own. When posting a project, the student will have to write their name, student id, Discord username, description, what tools or languages they'll use, when they need for, and how many people they need.

Other students can search for projects, apply to join, and message the person who posted it by using their Discord username. The owner can also get notifications every time someone applies, edit their post and update their project status. In the end, students can also leave a review behind if necessary.

This project will help students connect, work together, and learn by building real projects as a team.

Usage Steps

Steps:

- 1) Create an account (Enter full name, Student Id, Discord name (if they dont have discord we have to let them know to download it), which programming languages they have experience on (we can do the multi select option to make it fancy), and finally which semester they on and email (School email is preferred)/password to log back in)
- 2) After creating an account they see the main page (we'll have to think about what it'll look like). In the main page they can see lists of other forms created by other students or create one themselves.

If they wanna create a form:

They have to enter these information:

- The name of the project
- Their name and student id (maybe we can make it so its automatic and they dont have to type again)
- Which programming languages they'll use for the project
- Enter which date they want the project for (can be optional)
- Description of the project
- Their discord username (maybe we can make it so its automatic and they dont have to type again)

If they click on a form:

Details shown:

- Name of the project
- Full name of the student who published and their student id
- Which programming languages they'll need for the project
- When's the deadline (if there is any)
- And description of the project
- Finally the student who published discord username to ask further questions

Extra features:

Search Bar: On top left where students can search up or filter by programming language, semester or maybe someone they know.

Notifications: let users know when the owner accepts their request. Or send notification to the owner when someone applies.

Mark Project as "Full" or "Closed": Allow the owner to update the status of their project when they've found enough collaborators.

Edit/Delete Form: Only the owner can edit or delete it.

Application Features

In the web application, every user occupies two “roles”. The first one is the **Applicant** role where users/students are searching to collaborate on someone else’s project. They can view the projects posted by others and they can decide to apply for them. The second role is the **Leads** role where users/students write about their project idea and post it on the website in order to find teammates. It is important to know that **every user can occupy both roles at once** meaning that a user/student can search to work on other’s projects and also post his own project.

Features for Users Globally

- Register for an account.
- Log in / Log out of an account.
- Access account settings.
- Delete Account.

Features for Users as Applicants

- **Edit profile:** Add skills.
- **Edit profile:** Add known programming languages.
- **Edit profile:** Add known frameworks / technologies.
- **Edit profile:** Add an about me description.
- **Edit profile:** Add description of previous work done.
- **Edit profile:** Add Discord username.
- **Edit profile:** Add photo?
- **Search for a project:** Search by title.
- **Search for a project:** Search by description.
- **Search for a project:** Filter by programming language.
- **Search for a project:** Filter by a framework / library.
- **Apply for a project:** Send an application.
- **Apply for a project:** Send a message describing how you would be a good fit.
- **Apply for a project:** Describe your availabilities to work on the project.
- **Comment on a project:** Add a comment / Ask a question.
- **Rate a teammate:** Give a review on a teammate or on the project lead.
- **Rate a project:** Give a review / description of the experience of the project.

Features of Users as Project Leads

- **Create a project:** Add title of the project.
- **Create a project:** Add a description of the project.
- **Create a project:** Specify the number of teammates needed.
- **Create a project:** Specify the programming languages.
- **Create a project:** Specify the libraries or frameworks needed.
- **Create a project:** Upload relevant descriptive media.
- **Create a project:** Post the project.
- **Edit a project:** Edit all aspects of the project description.

- **Edit a project:** Adjust the status of the project: In search for teammates, positions filled, or closed.
- **Edit a project:** Update the developer log of the project. Showcases the development progress of the project.
- **Review applications:** View applications.
- **Review application:** Reject an application.
- **Review application:** Accept an application.
- **Review application:** Reject all remaining applications if all positions were filled.
- **Review teammate:** Write reviews on teammates.

Tech Stack

To create the application, we will be using the following technologies:

Program Components	Technologies Chosen
Front end	HTML, CSS, JS, Laravel's Blade
Back end	PHP, Laravel
Database	MySQL