

Project Name: Community Helpers (or BYU-I Skills Exchange)

The Concept: A platform where users can post tasks they need help with (e.g., "Need help moving a couch" or "Tutor for CS 325") and others can volunteer.

Team 12 Names:

Diogo Rangel Dos Santos

Link Trello : <https://trello.com/b/XhLjnPEn/communityhelperscse325team12>

Git Project : <https://github.com/diogorangel/CommunityHelpersCSE325Team12.git>

Why this works for your requirements:

- **CRUD:** Users **Create** requests, **Read** lists of help needed, **Update** their posts, and **Delete** them once help is found.
- **Authentication:** Essential so only logged-in students can post or see contact details.
- **Target Audience:** Fellow BYU-Idaho students (easy to design for!).
- **Blazor Friendly:** Perfect for a responsive, interactive dashboard.



Step 2: 4-Phase Project Timeline

Break your semester into these manageable chunks:

Phase 1: Foundation (Weeks 1-3)

- **Setup:** Create the GitHub Repo and Trello Board.
- **Design:** Draw simple wireframes of the Home, Login, and Create Post pages.
- **Teach:** Shared session on how Blazor Components work.

Phase 2: The "Core" (Weeks 4-7)

- **Database:** Set up Entity Framework Core to handle the "Help Requests" table.
- **CRUD:** Build the form to submit a request and the page to view them.
- **UI:** Apply CSS padding and branding (Standardized Typography).

Phase 3: Secure & Refine (Weeks 8-10)

- **Auth:** Implement ASP.NET Core Identity for user logins.

- **Validation:** Use Data Annotations to ensure forms aren't submitted empty.
- **Access:** Check for WCAG AA compliance (Accessibility).

Phase 4: Quality & Cloud (Weeks 11-14)

- **Testing:** Everyone tests the app on their phones to ensure it's responsive.
- **Deployment:** Deploy to **Azure** or **AWS**.
- **Docs:** Finalize the README.md with setup instructions.

Step 3: Immediate Setup Tasks (Meeting Day)

1. The Trello Board

Create these 4 lists immediately:

1. **Project Backlog** (Ideas/Future)
2. **This Week** (Immediate tasks)
3. **In Review** (Done but needs testing by a teammate)
4. **Completed** (Merged to main)

2. The GitHub Repository

Pro Tip: Create a .gitignore specifically for Visual Studio immediately so you don't commit bin/ or obj/ folders.

- **Action:** Leader creates repo, adds members as collaborators.
- **Task:** Everyone clones the repo and runs dotnet run to ensure the base template works on their machine.

Step 4: Succeeding in Peer Reviews

To get a perfect score in the **Peer Review Document**, follow these "Golden Rules" with your team:

- **Communication:** If you are going to be late or can't finish a task, post in your group chat *before* the deadline.
- **Contribution:** Don't just write code. Offer to write the README, test a teammate's branch, or organize the Trello.
- **Teach One Another:** If you figure out a hard bug, record a 2-minute Loom video or write a quick note in the group chat explaining the fix.