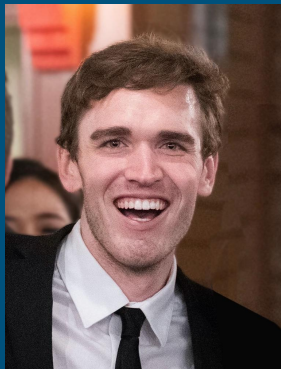# Kazi Kids + GURU GANG

Guru: Please get back to work

Evan Dietrich
Tufts University

Johnathan Kacherski
Ohio State University

Jordan Philp
Bowie State University

Janak Shah
University of Illinois

Ellen Tsao
University of Michigan

Colin Williams
Ohio State University

About

Mission: *Investing in people to create measurable and enduring social and economic change*

❏ **Invest**: provide small business loans ranging from $750-$350,000 to local entrepreneurs, "never say no" policy

❏ **Educate**: offer classes taught by professional trainers and small business experts

❏ **Innovate**: offer specialized programming for clients (Food Fort, Women's Business Center, Capital for Construction, etc)

Problem Statement

❏ How can ECDI use technology to measure the impact of COVID-19 on their clients and best "meet their clients where they are" to determine their needs?
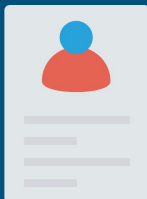
Our Approach

✨ Accessibility ✨

Our Product Needs...

Front-End	Back-End	Data Analytics
❏ Mobile-first design	❏ Database integration	❏ Need & Engagement Index algorithms
❏ Data Collection Forms		❏ Email automation
❏ Private Message Interface		
❏ Meeting Schedule Platform		

JPMorgan Chase & Co.
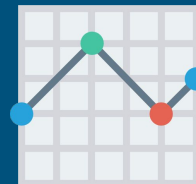
Our Solution

A web application connecting ECDI employees with their clients by means of appointment scheduling, messaging, and financial health evaluation.

Front End	Back End	Data Analytics
❏ Django + Bootstrap 4 ❏ Mobile First design principles for the greatest accessibility	❏ Django + SQLite ❏ Django ORM compatible with all major database solutions (e.g. SQL Server, Azure, MongoDB, Oracle, PostgreSQL, etc.)	❏ Python + Jupyter Notebook ❏ Matplotlib, SendGrid libraries

Demo Time
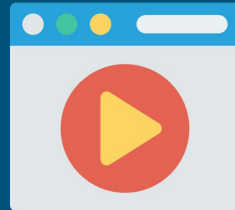
Register new user => login => [JOHNATHAN] (30 secs)

click "update my company needs" button => fill out form => show update on dashboard => [ELLEN]
hit make new appointment button => show update on dashboard => (70 secs)

send message on messaging platform [COLIN] (30 secs)

Navigate to ECDI platform => show off frontend elements [JORDAN] (50 secs)

Switch zoom share to data notebook [EVAN] (60 secs)

Impact on ECDI

Improve communication between ECDI & clients	Measure COVID's impact on ECDI's clientbase	Assist clients in need while retaining ECDI's individualized attention approach

- Platform accessible on mobile/desktop

- Request + schedule 1-on-1 Zoom & Phone Meetings

- Instant Messaging platform

- Self-reported client data collected at time of registration

- Calculate client confidence, need, & engagement levels

- Clients given peronsalize

- Holistic view of clientbase, ensures proportional focus

- Track & update client's top concerns

- Custom reminders to touch base & set up 1-on-1's

Lessons we Learned

Some things we learned along the way:

- ❏ Building a full-stack web application with Django
- ❏ Virtual collaboration
- ❏ Role delegation and priority setting
- ❏ AGILE workflow
  - ❏ Kanban board
  - ❏ UI wireframing
- ❏ Developing a customer-centric product
- ❏ Version control with Git

Future Enhancements

Greater Accessibility: Screen-reader optimization, automatic translation, tab navigation-friendly

Real-time email or text notifications for portal messages

Automatic Zoom call number generation

Monthly (or 2-3 month) check-ins with businesses
- ❏ Business owners will receive emails every 1-2 months asking to update their company needs in the portal so ECDI can better serve them where they are in that moment

Portal integration with other ECDI services:
- ❏ Loan payment progress
- ❏ Class scheduling and sign-ups
- ❏ Links to free online learning resources

Q & A

Feel free to ask us...

- ❏ to elaborate on how an area will benefit ECDI and their clients

- ❏ for further explanation of specific features

- ❏ anything at all!

Special Thanks to our Social Good Project Advisor, Guru, and our Manager, Kazi

JPMorgan Chase & Co.