

Agile Software Development
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LB01

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“QuickEV” Software Documentation

We are using **Scrum** as our SDLC method. The reason is Scrum provides the flexibility, collaboration, customer focus, and iterative delivery that are well-suited for complex software development projects with evolving requirements. Its ability to deliver value faster while allowing for change makes it a solid choice as an SDLC methodology for many projects. The specific needs and context of our project align well with the strengths of Scrum.

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1. Requirement

1.1 Roles and Responsibilities

Epic	Volunteering App
Delivery Date	17 July 2024
Document Status	Draft
Product Lead	Vinson Luckianto
Engineering Lead	Jonathan Alvindo Fernandi
Designer Lead	Tisha Jillian
Quality Assurance (QA) Lead	Efran Nathanael
Finance Lead	Tara Nirmala Kusuma
Technical Writers	Vinson Luckianto

1.2 Goals

- Allow users to simply search and find relevant volunteer opportunities based on causes they care about, skills required, location, and availability.
- Provide users with an intuitive interface for nonprofits and organizations to create profiles highlighting their mission and impact.
- Allow organization users to easily post volunteer needs and events, including details like description, skills needed, location, and shifts.
- Motivate volunteers by awarding points, and badges of ranks based on hours contributed, events attended, and skills.
- Provide a real-time notification system for updates on disasters and volunteer needs.
- Enable volunteers to easily sign up for specific time slots and shifts. Send automated reminders.
- Facilitate communication between volunteers and event organizers through integrated messaging. Allow organizations to send updates to registered volunteers. Provide discussion forums for volunteers to connect.

1.3 Success Metrics

Goal	Metrics
Relevant Volunteer Opportunity Discovery	<ul style="list-style-type: none">• Number of user searches performed• Percentage of users finding relevant volunteer• User satisfaction with search results (through surveys)
Intuitive Nonprofit Profile Creation	<ul style="list-style-type: none">• Number of nonprofit profiles created• Completeness rate of nonprofit profiles (percentage of fields filled)• Number of views for nonprofit profiles
Ease of Posting Volunteer Opportunities and Events	<ul style="list-style-type: none">• Number of volunteer opportunities and events posted• Percentage of opportunities filled by volunteers• Time taken to fill volunteer opportunities
Gamification and Rewards for Volunteers	<ul style="list-style-type: none">• Number of badges, points, or ranks awarded• Volunteer engagement levels• Correlation between gamification and volunteer retention
Real-time Notifications for Volunteer Needs	<ul style="list-style-type: none">• Number of notifications sent• The volunteer response rate to notifications• Average response time of volunteers
Volunteer Shift and Time Slot Sign-ups	<ul style="list-style-type: none">• Percentage of time slots and shift filled• Volunteer no-show rate• Event organizer satisfaction with the sign-up process
Communication Between Volunteers and Event Organizers	<ul style="list-style-type: none">• Average response time of volunteers• The volunteer response rate to updates from organizations

	<ul style="list-style-type: none"> Activity in volunteer discussion forums (posts, comments, likes)
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1.4 Assumptions

Personas

- Passionate Volunteer
- Busy Professional
- Nonprofit Coordinator
- Corporate Sponsor
- Retiree

Detailed Assumptions Elaboration

This website will be used for everyone as it's meant to engage and invite people to help others by volunteering, joining some organization, or giving a donation in the shape of fresh money. This website will help people in need and help organizations seek more value for the activity they hold. Not only helping individuals to join volunteering, this website also helps organizations to find new members and helps people in need by giving them our service or commodities.

1.5 Requirements

#	Title	User Story	Acceptance Criteria	Priority	Notes
1	Search and Filter Volunteer Opportunities	As a volunteer, I want to easily search and find relevant volunteer opportunities based on my interests, skills, location, and availability so that I can contribute my time and talents to the causes I care about.	Volunteers can search opportunities by keyword, cause area, skills required, location (city/zip code), and date range	Must Have	Intelligent search and recommendations are key to helping volunteers discover opportunities that fit them well.

2	Create Organization Profiles	As an organization, I want to create a profile highlighting our mission, programs, impact, and volunteer needs so that we can attract volunteers aligned with our cause.	Organizations can create a profile with a name, logo, cause area, location, description, photos, etc.	Must Have	Organizational profiles help build credibility and connect on a deeper level with potential volunteers.
3	Post Volunteer Opportunities	As an organization, I want to easily post our volunteer needs and opportunities so that we can reach a large pool of potential volunteers and recruit the help we need.	<ul style="list-style-type: none"> Organizations can post new volunteer opportunities from their account Each posting captures key details like title, description, skills, location, dates, number of volunteers needed 	Must Have	Make the posting process intuitive with prompts and auto-suggestions. Opportunities should be shareable on social media.
4	Create Volunteer Profiles and Get Recommendations	As a volunteer, I want to create a profile highlighting my interests, skills, and availability so I can be matched with relevant opportunities and organizations.	<ul style="list-style-type: none"> Volunteers can create a profile with name, photo, bio, location, cause interests, skills, availability, experience Volunteers can import interests and skills from LinkedIn or Facebook The platform recommends opportunities based on the volunteer's profile 	Should Have	Rich volunteer profiles power better recommendations and help organizations find the right fit.

5	Register for Opportunities and Manage Schedule	As a volunteer, I want to easily register for opportunities and self-schedule my shifts so that I can confirm my participation and manage my time.	<ul style="list-style-type: none"> • Each opportunity has a "Register" button that captures the volunteer's contact info • Upon registration, volunteers can select specific shifts/time slots based on their availability • Volunteers get email confirmations and calendar invites upon registration • Volunteers can access a personalized dashboard to view and manage their upcoming schedule 	Must Have	Scheduling should be intuitive and allow for easy cancellations and rescheduling. Calendar sync is nice.
6	Communicate Between Organizations and Volunteers	As an organization or volunteer, I want to easily communicate with each other so that I can ask questions, get information, and build relationships.	<ul style="list-style-type: none"> • Organizations can message volunteers registered for their opportunities • Automated email reminders are sent to volunteers before their scheduled shift • Threaded conversations are supported and stored 	Should Have	Consider adding discussion forums for volunteers to connect as well.
7	Track and Report on Volunteer Hours	As an organization or volunteer, I want to easily track and report on hours contributed so that I can quantify	<ul style="list-style-type: none"> • Volunteers can log hours for opportunities they participated in • Organizations can validate hours 	Must Have	Verified hours are required for many corporate volunteer programs. Explore

		my impact, meet goals, and satisfy requirements.	<p>submitted by volunteers</p> <ul style="list-style-type: none"> • Volunteer coordinators can log hours on behalf of volunteers • Volunteers and organizations can generate reports on hours by individual, opportunity, and date range 		integration with background check providers.
8	Access the Platform On-the-Go	As a volunteer, I want to access the platform from my mobile device so that I can search, register, and check in for opportunities on the go.	<ul style="list-style-type: none"> • Key functionalities like opportunity search, viewing, registration, check-in, and hour logging are available on the mobile app • Push notifications for reminders and updates • Ability to upload photos from events directly from mobile 	Should Have	More and more volunteers expect mobile access. The progressive web app is an alternative to native iOS/Android apps.
9	Share Opportunities and Integrate with Social Networks	As a volunteer or organization, I want to easily share opportunities with my network and integrate with my social media so that I can spread the word and attract more support.	<ul style="list-style-type: none"> • Each opportunity listing has social media share buttons • Volunteers can share a personalized URL to their profile page • Volunteers can connect their social media accounts to their profile • Organizations can auto-post new 	Nice to Have	Social sharing and integration can significantly amplify reach and attract new volunteers through peer networks.

			opportunities to their social media pages		
10	Motivate and Reward Volunteers with Gamification	As a volunteer, I want to earn points, badges, and rewards for my contributions so that I feel recognized and motivated to keep volunteering.	<ul style="list-style-type: none"> Volunteers earn points for hours logged, opportunities completed, feedback submitted, social shares, etc. 	Nice to Have	Gamification can be a powerful motivator, but needs to be balanced with intrinsic motivation for volunteering.

2. Product Backlog

No	As a..	I want to...	So that...	Priority	Sprint
1	Volunteer	easily search and find relevant volunteer opportunities based on my interests, skills, location, and availability	I can contribute my time and talents to causes I care about	High	Release 1 (Sprint 1)
2	Organization	create a profile highlighting our mission, programs, impact, and volunteer needs	we can attract volunteers aligned with our cause	High	Release 1 (Sprint 1)
3	Organization	easily post our volunteer needs and opportunities	reach a large pool of potential volunteers and recruit the help we need	High	Release 1 (Sprint 2)
4	Volunteer	easily register for opportunities and self-schedule	I can confirm my participation and manage	High	Release 1 (Sprint 2)

		my shifts	my time		
5	Organization or Volunteer	easily track and report on hours contributed	I can quantify my impact, meet goals, and satisfy requirements	High	Release 2 (Sprint 3)
6	Volunteer	create a profile highlighting my interests, skills, and availability	I can be matched with relevant opportunities and organizations	Medium	Release 2 (Sprint 3)
7	Organization or Volunteer	easily communicate with each other	I can ask questions, get information, and build relationships	Medium	Release 2 (Sprint 4)
8	Volunteer	I want to access the platform from my mobile device	I can search, register, and check in for opportunities on the go	Medium	Release 2 (Sprint 4)
9	Volunteer	easily share opportunities with my network and integrate with my social media	I can spread the word and attract more support	Low	Future Releases (Sprint 5)
10	Volunteer	I want to earn points, badges, and rewards for my contributions	I feel recognized and motivated to keep volunteering	Low	Future Releases (Sprint 5)

3. Sprint Backlog

Sprint 1 (2 Weeks)

As a Volunteer, I want to easily search and find relevant volunteer opportunities based on my interests, skills, location, and availability so that I can contribute my time and talents to causes I care about (Story Points: 8)	<ul style="list-style-type: none">- Search opportunities by keyword, cause area, skills, location, date range- Implement intelligent search and recommendations
As an Organization, I want to create a profile highlighting our mission, programs, impact, and volunteer needs so that we can attract volunteers aligned with our cause (Story Points: 5)	<ul style="list-style-type: none">- Create organization profile with name, logo, cause area, location, description, photos- Ensure profiles build credibility and connect with volunteers

Sprint 2 (2 Weeks)

As an Organization, I want to easily post our volunteer needs and opportunities to reach a large pool of potential volunteers and recruit the help we need (Story Points: 8)	<ul style="list-style-type: none">- Allow posting opportunities with title, description, skills, location, dates, volunteers needed- Make posting intuitive with prompts and social media sharing
As a Volunteer, I want to easily register for opportunities and self-schedule my shifts so that I can confirm my participation and manage my time (Story Points: 13)	<ul style="list-style-type: none">- Add "Register" button to capture volunteer info- Allow shift selection based on availability- Send confirmation emails and calendar invites- Provide dashboard to manage upcoming schedule

Sprint 3 (2 Weeks)

As an Organization or Volunteer, I want to easily track and report on hours contributed so that I can quantify my impact, meet goals, and satisfy requirements (Story Points: 8)	<ul style="list-style-type: none">- Allow volunteers to log hours for opportunities- Let organizations validate submitted hours- Generate reports by individual, opportunity, date range
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As a Volunteer, I want to create a profile highlighting my interests, skills, and availability so I can be matched with relevant opportunities and organizations (Story Points: 5)	<ul style="list-style-type: none"> - Create volunteer profile with name, photo, bio, location, interests, skills, availability - Allow importing data from LinkedIn or Facebook - Recommend opportunities based on profile
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Sprint 4 (2 Weeks)

As an Organization or Volunteer, I want to easily communicate with each other so that I can ask questions, get information, and build relationships (Story Points: 5)	<ul style="list-style-type: none"> - Allow organizations to message registered volunteers - Send automated email reminders before shifts - Support threaded conversations - Consider discussion forums for volunteers
As a Volunteer, I want to access the platform from my mobile device so that I can search, register, and check in for opportunities on the go (Story Points: 8)	<ul style="list-style-type: none"> - Provide key functions on mobile app - Enable push notifications - Allow uploading event photos from mobile

Sprint 5 (2 Weeks)

As a Volunteer, I want to easily share opportunities with my network and integrate with my social media so that I can spread the word and attract more support (Story Points: 3)	<ul style="list-style-type: none"> - Add social media share buttons to opportunities - Provide personalized volunteer profile URL - Allow connecting social media accounts - Auto-post new opportunities to organization pages
As a Volunteer, I want to earn points, badges, and rewards for my contributions so that I feel recognized and motivated to keep volunteering (Story Points: 5)	<ul style="list-style-type: none"> - Award points for hours, completed opportunities, feedback, shares - Balance gamification with intrinsic motivation

4. Scrum Activities

4.1 Sprint 1

Sprint Goal: Enable volunteers to search and find relevant opportunities, and allow organizations to create profiles.

4.1.1 Sprint Planning of Sprint 1

Sprint Backlog:

- As a Volunteer, I want to easily search and find relevant volunteer opportunities based on my interests, skills, location, and availability so that I can contribute my time and talents to causes I care about (Story Points: 8)
- As an Organization, I want to create a profile highlighting our mission, programs, impact, and volunteer needs so that we can attract volunteers aligned with our cause (Story Points: 5)

Tasks:

1. Design and implement opportunity search functionality with filters (5 points)
2. Integrate intelligent recommendation engine for personalized results (3 points)
3. Create database schema for organization profiles (2 points)
4. Develop organization profile creation form and backend logic (3 points)
5. Test and fix any bugs in search and organization profile features (2 points)

4.1.2 Sprint Execution of Sprint 1

1. Design and implement the database schema for opportunities and organization profiles
2. Develop the backend APIs for searching opportunities and creating organization profiles
3. Create the frontend pages for opportunity search and organization profile creation
4. Integrate the frontend and backend, and test the functionality end-to-end
5. Conduct code reviews, fix bugs, and refactor as needed
6. Prepare and execute the Sprint Review and Retrospective

4.1.3 Daily Scrum of Sprint 1

Daily Scrum Schedule: Every weekday at 9:00 AM via Zoom

Sample Daily Scrum Questions:

1. What did I accomplish yesterday?
2. What will I work on today?
3. What issues or impediments am I facing?

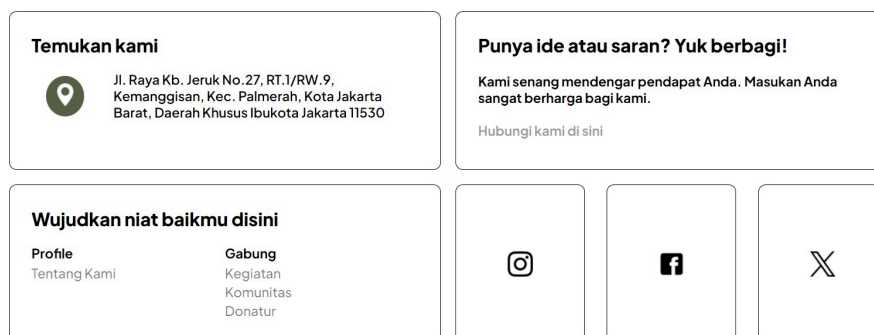
Day 1:

- Tisha: Yesterday - Project kickoff. Today - Design database schema. No blockers.
- Tara: Yesterday - Project kickoff. Today - Setup development environment. No blockers.
- Jonathan: Yesterday - Project kickoff. Today - Create backend project structure. No blockers.
- Vinson: Yesterday - Project kickoff. Today - Implement user authentication API. No blockers.
- Efran: Yesterday - Project kickoff. Today - Create frontend project structure. No blockers.

Day 2:

- Tisha: Yesterday - Designed database schema. Today - Implement database migrations. No blockers.
- Tara: Yesterday - Setup dev environment. Today - Create organization profile page UI. No blockers.
- Jonathan: Yesterday - Created backend structure. Today - Implement organization profile API. No blockers.
- Vinson: Yesterday - Implemented auth API. Today - Integrate auth with frontend. No blockers.
- Efran: Yesterday - Created frontend structure. Today - Create opportunity search page UI. Needs clarification on search filters.

4.1.4 Potentially Shipping Product of Sprint 1



4.1.5 Sprint Review of Sprint 1

Agenda:

1. Demo the volunteer opportunity search functionality and organization profile creation
2. Review the sprint goal and discuss whether it was met
3. Gather feedback from stakeholders on the delivered features
4. Discuss lessons learned and potential improvements for the next sprint

Demo:

- Showcase the volunteer opportunity search page with working filters for keyword, cause area, skills, location, and date range.
- Demonstrate relevant search results being returned.
- Show the organization profile creation form and the ability to add key details like name, logo, cause area, location, description, photos.
- Highlight how the search and organization profiles align with the project goals of connecting volunteers with relevant opportunities

4.1.6 Sprint Retrospective of Sprint 1

Agenda:

1. Discuss what went well during the sprint
2. Identify areas for improvement
3. Brainstorm ideas to address challenges and enhance the team's process
4. Create action items for the next sprint

Discussion Points:

- The team successfully delivered the volunteer opportunity search and organization profile creation features as planned
- Collaboration and communication within the team were effective, with regular stand-ups and progress updates
- The design created in Figma helped guide the development and ensured a consistent user interface
- The search functionality could be further optimized to handle a large volume of opportunities and provide more relevant results
- The organization profile creation form needs additional validation to ensure data integrity
- The team should allocate more time for testing and bug fixing in future sprints

Action Items:

1. Research and implement advanced search algorithms to improve the relevance and performance of opportunity search

2. Add form validation and error handling to the organization profile creation process
3. Include a dedicated testing phase in the next sprint and create a comprehensive test plan
4. Schedule knowledge sharing sessions on ASP.NET best practices and optimization techniques

4.2 Sprint 2

Sprint Goal: Allow organizations to post opportunities and enable volunteers to register for shifts.

4.2.1 Sprint Planning of Sprint 2

Sprint Backlog:

- As an Organization, I want to easily post our volunteer needs and opportunities to reach a large pool of potential volunteers and recruit the help we need (Story Points: 8)
- As a Volunteer, I want to easily register for opportunities and self-schedule my shifts so that I can confirm my participation and manage my time (Story Points: 13)

Tasks:

1. Design opportunity posting form with required fields (3 points)
2. Implement backend logic to handle opportunity creation (3 points)
3. Integrate social media sharing for posted opportunities (2 points)
4. Create volunteer registration flow with shift selection (5 points)
5. Send automated confirmation emails and calendar invites (3 points)
6. Develop volunteer dashboard to manage upcoming schedule (5 points)
7. Test end-to-end flow of posting opportunity and volunteer registration (2 points)

4.2.2 Sprint Execution of Sprint 2

1. Enhance the database schema to support opportunity posting and volunteer registration
2. Develop the backend APIs for creating opportunities and handling volunteer registrations
3. Create the frontend forms and workflows for opportunity posting and volunteer registration
4. Integrate the new features with the existing codebase and test thoroughly
5. Optimize the user experience and fix any usability issues
6. Prepare the Sprint Review demo and gather feedback from stakeholders
7. Conduct the Sprint Retrospective and plan improvements for the next sprint

4.2.3 Daily Scrum of Sprint 2

Daily Scrum Schedule: Every weekday at 9:00 AM via Zoom

Sample Daily Scrum Questions:

1. What did I accomplish yesterday?
2. What will I work on today?
3. What issues or impediments am I facing?

Day 1:

- Tisha: Yesterday - Sprint 1 retrospective. Today - Design volunteer registration flow. No blockers.
- Tara: Yesterday - Sprint 1 retrospective. Today - Create opportunity posting form UI. No blockers.
- Jonathan: Yesterday - Sprint 1 retrospective. Today - Implement opportunity creation API. No blockers.
- Vinson: Yesterday - Sprint 1 retrospective. Today - Integrate social sharing for opportunities. Needs access to org's social accounts.
- Efran: Yesterday - Sprint 1 retrospective. Today - Create a volunteer dashboard UI. No blockers.

Day 2:

- Tisha: Yesterday - Designed registration flow. Today - Implement registration backend. No blockers.
- Tara: Yesterday - Created posting form UI. Today - Integrate form with opportunity creation API. Form validation failing, debugging.
- Jonathan: Yesterday - Implemented opportunity API. Today - Create API for fetching volunteer opportunities. No blockers.
- Vinson: Yesterday - Integrated social sharing. Today - Implement email confirmation for registration. No blockers.
- Efran: Yesterday - Created dashboard UI. Today - Integrate dashboard with upcoming events API. API not ready, blocked.

4.2.4 Potentially Shipping Product of Sprint 2



4.2.5 Sprint Review of Sprint 2

Agenda:

1. Demo the volunteer opportunity posting and registration functionality
2. Review the sprint goal and discuss whether it was met
3. Gather feedback from stakeholders on the delivered features
4. Discuss lessons learned and potential improvements for the next sprint

Demo:

- Showcase the opportunity posting form and the ability to capture key details like title, description, skills needed, location, dates, volunteers needed
- Demonstrate how intuitive the posting flow is with prompts and social sharing
- Show the volunteer registration process, including selecting specific shifts based on availability
- Highlight the automated confirmation emails and calendar invites sent upon registration
- Demo the volunteer dashboard and ability to manage upcoming schedules
- Discuss how the delivered features enable organizations to easily post opportunities and volunteers to seamlessly sign up

4.2.6 Sprint Retrospective of Sprint 2

Agenda:

1. Reflect on the team's performance and progress during the sprint
2. Discuss successes, challenges, and lessons learned
3. Identify process improvements and necessary adaptations
4. Define action items to implement improvements in the next sprint

Discussion Points:

- The team delivered the volunteer opportunity posting and registration features, meeting the sprint goal
- The integration of social media sharing was a value-add for organizations to reach a wider audience
- The volunteer dashboard provides a clear overview of upcoming activities and enhances the user experience
- The team faced challenges in handling time zone differences when saving and displaying shift schedules
- The email notification system encountered delays due to rate limiting from the email service provider
- The team should consider adopting a more structured approach to code reviews and establish clear guidelines

Action Items:

1. Investigate and implement a robust timezone handling library to ensure accurate shift schedules across different regions
2. Optimize the email notification system to send bulk emails asynchronously and implement retry mechanisms
3. Define a code review checklist and schedule regular code review sessions to maintain high code quality
4. Organize a retrospective specifically focused on improving the team's Scrum practices and ceremonies

4.3 Sprint 3

Sprint Goal: Enable tracking of volunteer hours and allow creation of volunteer profiles.

4.3.1 Sprint Planning of Sprint 3

Sprint Backlog:

- As an Organization or Volunteer, I want to easily track and report on hours contributed so that I can quantify my impact, meet goals, and satisfy requirements (Story Points: 8)

- As a Volunteer, I want to create a profile highlighting my interests, skills, and availability so I can be matched with relevant opportunities and organizations (Story Points: 5)

Tasks:

1. Implement volunteer hour logging and validation flow (5 points)
2. Create reporting dashboard for volunteer hours by individual and event (3 points)
3. Design database schema for volunteer profiles (2 points)
4. Develop volunteer profile creation form with option to import data (3 points)
5. Integrate volunteer profile data into opportunity recommendation engine (2 points)
6. Test hour tracking and volunteer profile creation (3 points)

4.3.2 Sprint Execution of Sprint 3

1. Design the database tables and relationships for tracking volunteer hours and profiles
2. Implement the backend logic for logging hours, validating submissions, and generating reports
3. Create the frontend interfaces for volunteers to log hours and create their profiles
4. Integrate volunteer data into the opportunity recommendation engine
5. Test the new features and ensure data integrity and accuracy
6. Conduct user acceptance testing with a group of volunteers and incorporate feedback
7. Complete the Sprint Review and Retrospective ceremonies

4.3.3 Daily Scrum of Sprint 3

Daily Scrum Schedule: Every weekday at 9:00 AM via Zoom

Day 1:


- Tisha: Yesterday - Sprint 2 retrospective. Today - Design volunteer hour logging flow. No blockers.
- Tara: Yesterday - Sprint 2 retrospective. Today - Create reporting dashboard UI. No blockers.
- Jonathan: Yesterday - Sprint 2 retrospective. Today - Implement hour logging API. No blockers.
- Vinson: Yesterday - Sprint 2 retrospective. Today - Design database for volunteer profiles. No blockers.
- Efran: Yesterday - Sprint 2 retrospective. Today - Create a volunteer profile page UI. No blockers.

Day 2:

- Tisha: Yesterday - Designed logging flow. Today - Implement hour validation logic. No blockers.

- Tara: Yesterday - Created dashboard UI. Today - Integrate dashboard with reporting APIs. Needs APIs to be ready.
- Jonathan: Yesterday - Implemented logging API. Today - Build reporting APIs. No blockers.
- Vinson: Yesterday - Designed profile database. Today - Develop profile creation backend. No blockers.
- Efran: Yesterday - Created profile UI. Today - Integrate profile with recommendation engine. Needs recommendation logic.

4.3.4 Potentially Shipping Product of Sprint 3

 QuickEV


TENTANG KAMI

CARI KEGIATAN

CARI KOMUNITAS

DONASI

SIGN IN

 QuickEV


Masuk ke dalam akunmu

Email

Password

Sign In

Belum terdaftar? [Daftar di sini](#)

 QuickEV


TENTANG KAMI

CARI KEGIATAN


CARI KOMUNITAS


DONASI

SIGN IN


 QuickEV

Bergabung bersama kami

 [Daftar sebagai relawan](#)

 [Daftar sebagai komunitas](#)

Sudah punya akun? [Masuk di sini](#)

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TENTANG KAMI

CARI KEGIATAN

CARI KOMUNITAS

DONASI

SIGN IN

 QuickEV

Daftar akun relawan


Name

Username

Email

Password

Confirm Password

 QuickEV

TENTANG KAMI

CARI KEGIATAN

CARI KOMUNITAS

DONASI

SIGN IN

Confirm Password


Jenis Kelamin

Tanggal Lahir

Provinsi Domisili

Pastikan data yang Anda masukkan sudah benar. Dengan mendaftar, Anda dianggap telah menyetujui semua syarat dan ketentuan QuickEV.

Daftar

 QuickEV

Daftar akun komunitas

Profil Komunitas

Nama Komunitas

Deskripsi Komunitas

Fokus Utama

Logo Komunitas

Choose File No file chosen

Lokasi Komunitas

Alamat Komunitas

Provinsi Domisili Komunitas

Kontak Komunitas

No. Telepon Komunitas

User Information

Username Komunitas

Password

User Information

Username Komunitas

Password

Confirm Password

Pastikan data yang masukkan telah sesuai dengan syarat yang telah ditetapkan oleh QuickEV.

Daftar

4.3.5 Sprint Review of Sprint 3

Agenda:

1. Demo the volunteer hour tracking and volunteer profile creation functionality
2. Review the sprint goal and discuss whether it was met
3. Gather feedback from stakeholders on the delivered features
4. Discuss lessons learned and potential improvements for the next sprint

Demo:

- Showcase the volunteer hour logging flow and ability for organizations to validate hours
- Demonstrate the reporting capabilities by individual, opportunity, and date range
- Show the volunteer profile creation process with fields for interests, skills, availability
- Highlight the data import from LinkedIn/Facebook and personalized opportunity recommendations
- Discuss how hour tracking enables impact measurement and volunteer profiles power better matching

4.3.6 Sprint Retrospective of Sprint 3

Agenda:

1. Evaluate the team's ability to deliver the sprint goals and adapt to challenges
2. Celebrate the team's achievements and identify success factors
3. Discuss areas for improvement and gather suggestions
4. Prioritize action items to drive continuous improvement

Discussion Points:

- The volunteer hour tracking and reporting feature provides valuable insights for organizations and volunteers
- The personalized opportunity recommendations based on volunteer profiles enhance user engagement
- Importing data from external platforms like LinkedIn saves time for volunteers and improves profile completeness
- The reporting dashboard needs additional filters and export options to generate custom reports
- The team encountered difficulties in synchronizing data between the web app and mobile app in real-time
- The team should explore automating more of the testing process to catch regressions early

Action Items:

1. Enhance the reporting dashboard with advanced filtering, sorting, and exporting capabilities
2. Investigate real-time data synchronization solutions like WebSockets or push notifications to keep the mobile app updated
3. Research and integrate a mobile testing automation framework to streamline the QA process
4. Conduct a skill-sharing workshop on database optimization and performance tuning

4.4 Sprint 4

Sprint Goal: Facilitate communication between volunteers and organizations, and enable mobile access.

4.4.1 Sprint Planning of Sprint 4

Sprint Backlog:

- As an Organization or Volunteer, I want to easily communicate with each other so that I can ask questions, get information, and build relationships (Story Points: 5)
- As a Volunteer, I want to access the platform from my mobile device so that I can search, register, and check in for opportunities on the go (Story Points: 8)

Tasks:

1. Implement direct messaging between organizations and volunteers (3 points)
2. Set up automated reminder emails before volunteer shifts (2 points)
3. Optimize key pages and flows for mobile responsiveness (5 points)
4. Implement mobile push notifications for updates and reminders (3 points)
5. Test communication features and mobile experience (2 points)

4.4.2 Sprint Execution of Sprint 4

1. Set up the messaging infrastructure and database design to support conversations
2. Develop the backend APIs and frontend interfaces for sending and receiving messages
3. Optimize the user interface and key workflows for mobile screens
4. Implement push notifications for important updates and reminders
5. Test the messaging functionality and mobile usability on various devices
6. Prepare user guides and documentation for the communication features
7. Conduct the Sprint Review and Retrospective, and plan the final sprint

4.4.3 Daily Scrum of Sprint 4

Daily Scrum Schedule: Every weekday at 9:00 AM via Zoom

Day 1:

- Tisha: Yesterday - Sprint 3 retrospective. Today - Design messaging architecture. No blockers.
- Tara: Yesterday - Sprint 3 retrospective. Today - Create mobile responsive UI components. No blockers.
- Jonathan: Yesterday - Sprint 3 retrospective. Today - Implement messaging APIs. No blockers.
- Vinson: Yesterday - Sprint 3 retrospective. Today - Set up push notification service. Needs credentials.
- Efran: Yesterday - Sprint 3 retrospective. Today - Optimize pages for mobile. No blockers.

Day 2:

- Tisha: Yesterday - Designed messaging. Today - Develop messaging frontend. Needs backend APIs.
- Tara: Yesterday - Created mobile UI. Today - Test mobile responsiveness across devices. No blockers.
- Jonathan: Yesterday - Implemented messaging APIs. Today - Build automated reminder emails. No blockers.
- Vinson: Yesterday - Set up notifications. Today - Integrate notifications with backend. Needs integration guidance.
- Efran: Yesterday - Optimized for mobile. Today - Create mobile app shell. Needs build configuration.

4.4.4 Potentially Shipping Product of Sprint 4

4.4.5 Sprint Review of Sprint 4

Agenda:

1. Demo the messaging functionality and mobile responsive design
2. Review the sprint goal and discuss whether it was met
3. Gather feedback from stakeholders on the delivered features
4. Discuss lessons learned and potential improvements for future releases

Demo:

- Showcase the direct messaging capability between organizations and registered volunteers
- Show the automated shift reminders
- Demonstrate the mobile responsive views of key pages and flows

- Highlight key mobile capabilities like push notifications and uploading event photos
- Discuss how the messaging and mobile access features enhance the user experience and foster communication

4.4.6 Sprint Retrospective of Sprint 4

Agenda:

1. Reflect on the overall project progress and the team's growth throughout the sprints
2. Discuss key achievements, challenges overcome, and lessons learned
3. Identify areas for future improvement and growth opportunities
4. Celebrate the team's success and recognize individual contributions

Discussion Points:

- The messaging system fosters effective communication between volunteers and organizations
- The mobile app provides a seamless experience for users on the go and supports key functionalities
- The team demonstrated adaptability and problem-solving skills when faced with technical challenges
- The integration with social media platforms could be further enhanced to support more advanced sharing options
- The team should consider implementing a user feedback mechanism to gather insights for future enhancements
- The documentation and code comments need improvement to facilitate maintainability and onboarding of new team members

Action Items:

1. Explore additional social media integration features like sharing volunteer achievements or leaderboards
2. Implement a user feedback form within the app and establish a process to regularly review and prioritize user suggestions
3. Organize documentation sprints to improve code comments, API documentation, and user guides
4. Plan a team celebration event to recognize the successful completion of the project and individual contributions

4.5 Sprint 5

Sprint Goal: Enable social sharing of opportunities and implement gamification to motivate volunteers.

4.5.1 Sprint Planning of Sprint 5

Sprint Backlog:

- As a Volunteer or Organization, I want to easily share opportunities with my network and integrate with my social media so that I can spread the word and attract more support (Story Points: 3)
- As a Volunteer, I want to earn points, badges, and rewards for my contributions so that I feel recognized and motivated to keep volunteering (Story Points: 5)

Tasks:

1. Implement social media share buttons on opportunity listings (2 points)
2. Allow volunteers to share a personalized URL to their profile (1 point)
3. Enable volunteers to connect their social accounts and auto-post activities (2 points)
4. Design and implement a gamification system with points, badges, leaderboards (4 points)
5. Award points for various actions like hours logged, opportunities completed, feedback, shares (2 points)
6. Create a rewards system for volunteers to redeem points for prizes or discounts (2 points)
7. Test social sharing and gamification features across platforms (2 points)

4.5.2 Sprint Execution of Sprint 5

1. Implement social media share buttons on opportunity listing pages
 - Integrate with popular social platforms like Facebook, Twitter, LinkedIn
 - Allow sharing with custom messages and images
2. Develop the personalized profile URL feature for volunteers
 - Generate unique URLs for each volunteer profile
 - Enable sharing these URLs on social media or other channels
3. Build the integration with social media accounts
 - Allow volunteers to connect their social accounts
 - Enable auto-posting of activities, achievements, and updates
4. Design and implement the gamification system
 - Define a points system for various volunteer actions (hours logged, opportunities completed, feedback, shares, etc.)
 - Create different badge levels and criteria for earning them
 - Develop leaderboards to showcase top volunteers
5. Implement the rewards system
 - Allow volunteers to redeem earned points for prizes, discounts, or other rewards
 - Partner with sponsors or organizations to offer rewards

6. Conduct thorough testing of the social sharing and gamification features
 - Test across different devices, browsers, and social platforms
 - Perform user acceptance testing with a group of volunteers
 - Fix any bugs or issues identified during testing
7. Prepare user guides and documentation for the new features
8. Execute the Sprint Review and Retrospective ceremonies

4.5.3 Daily Scrum of Sprint 5

Daily Scrum Schedule: Every weekday at 9:00 AM via Zoom

Day 1:

- Tisha: Yesterday - Sprint 4 retrospective. Today - Design gamification system. No blockers.
- Tara: Yesterday - Sprint 4 retrospective. Today - Implement social sharing buttons. No blockers.
- Jonathan: Yesterday - Sprint 4 retrospective. Today - Build rewards system backend. No blockers.
- Vinson: Yesterday - Sprint 4 retrospective. Today - Develop personalized profile URLs. No blockers.
- Efran: Yesterday - Sprint 4 retrospective. Today - Create leaderboard UI components. No blockers.

Day 2:

- Tisha: Yesterday - Designed gamification. Today - Implement points and badges logic. Needs clarification on rules.
- Tara: Yesterday - Implemented sharing buttons. Today - Test sharing across platforms. Needs test accounts.
- Jonathan: Yesterday - Built rewards backend. Today - Integrate rewards with gamification system. No blockers.
- Vinson: Yesterday - Developed profile URLs. Today - Enable social account connections. Needs API keys.
- Efran: Yesterday - Created leaderboard UI. Today - Integrate leaderboard with gamification data. Needs data structure.

4.5.4 Potentially Shipping Product of Sprint 5

4.5.5 Sprint Review of Sprint 5

Agenda:

1. Demo the social sharing and gamification features
2. Review the sprint goal and discuss whether it was met
3. Gather feedback from stakeholders on the delivered features

4. Discuss overall lessons learned and potential areas for future enhancements

Demo:

- Showcase the social media share buttons on opportunity listings
- Demonstrate how volunteers can share a personalized URL to their profile
- Show how volunteers can connect their social accounts and auto-post activities
- Highlight the gamification elements like points, badges, leaderboards
- Explain how volunteers earn rewards for hours logged, opportunities completed, feedback, shares
- Discuss how social sharing amplifies reach and gamification motivates volunteers

4.5.6 Sprint Retrospective of Sprint 5

Agenda:

1. Reflect on the team's performance in delivering the social sharing and gamification features
2. Discuss successes, challenges, and lessons learned during this final sprint
3. Identify areas for potential future improvements and enhancements
4. Celebrate the overall project completion and team achievements

Discussion Points:

- The team successfully implemented the social media sharing capabilities, allowing volunteers and organizations to amplify their reach
- The gamification elements like points, badges, and leaderboards add an engaging layer of motivation for volunteers
- Designing an effective and balanced gamification system proved to be more complex than anticipated
- The team faced some challenges in integrating with different social media platforms due to varying APIs and requirements
- More user testing and feedback would have been beneficial to refine the gamification mechanics and ensure they resonate well

Action Items:

1. Conduct a comprehensive user study to gather feedback on the gamification system and identify areas for refinement
2. Organize a documentation sprint to improve code comments, API documentation, and user guides
3. Research and implement a test automation framework to streamline regression testing
4. Conduct a retrospective focused specifically on project management practices and identify areas for improvement