American Heart Screening Management System

Milestone 5 Evaluation

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Client:
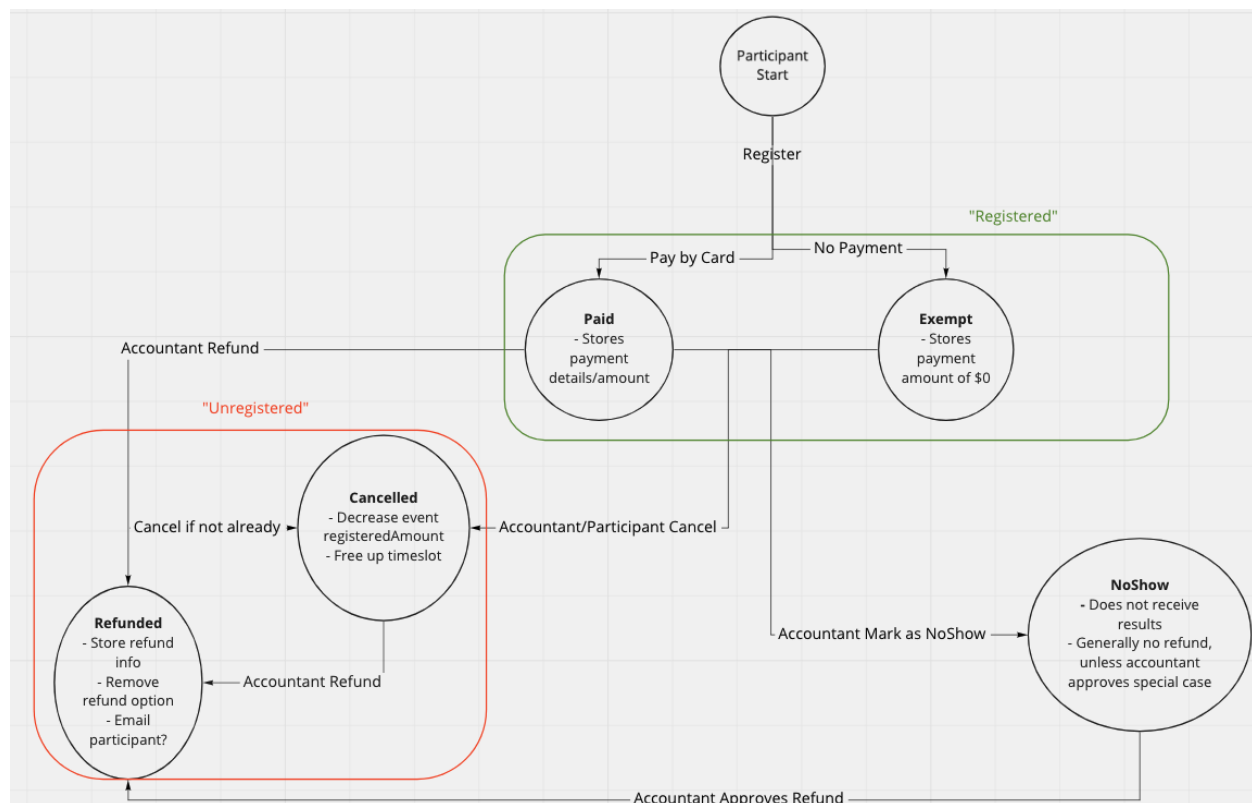
Evan Ernst, CEO - Who We Play For

Klynton Holmes, Tech Advisor - Who We Play For

Progress of Current Milestone

Task	Completion %	Carlo	Chris	Drew	John	Noah	TODO
1.Accountant Role	90%			50%	50%		Export to spreadsheet functionality
2.QR Code Generation	99%	50%				50%	In future, implement internal QR code generation for improving user experience
3.Bug Fixes	80%		25%	25%	25%	25%	Implement solution for event-editing bug
4.Project Poster	100%	10%	80%	10%			
5.Ebook Page	100%	75%	25%				

Accomplishments

- Task 1: Finish Accountant Role
  - Implemented search filters for accountants to be able to search payments by participant, event ID, date, and more.
  - Updated UI to use a form for search filters, allowing multiple filters to be applied
  - Designed a new state diagram and implemented states to track the payment status of participants for accountants:

○ Added actions to UI conforming to new state diagram for accountant to perform:
■ Refund participant
■ Cancel participant
■ Mark participant as no-show
■ View participant questionnaire responses
● Task 2: QR Code Generation
○ Included a QR Code generation for events. This button was added to the director UI.
○ Allows for opening of QR Code generation on a separate page and copies event registration url to clipboard automatically.
● Task 3: Bug Fixes
○ Payeezy payment bug
■ Incomplete environment configuration prevented processing of payments through the web application
○ Registration limit/time slots for on-site registration
■ Added logic to disregard registration limits and time slots when registering on-site
○ Event-editing type bug

- ■ Event type is only being updated on the fronted, while the backend remains unchanged
            - ■ Due to higher priority tasks, this will be addressed after beta testing
- Task 4: Project Poster
    - ○ Summarizes the project, including:
        - ■ Motivation/Goal
        - ■ Purpose
        - ■ How it works
        - ■ Features
        - ■ System Architecture
        - ■ User interface
- Task 5: Ebook Page
    - ○ Gives a brief description of the project and key points:
        - ■ Project topic
        - ■ Design
        - ■ Problem statement
        - ■ Major challenges
        - ■ Solution methods

Contributions

Carlo

- Worked with Noah to implement a UI button that allows a director to generate a QR code for on site registration.
- Contributed to the design and development of the project poster led by Chris.
    - ○ Updated system architecture diagram to better reflect any progress, updates, or changes.
- Outlined and created ebook page to be used for the showcase

Chris

- Worked with team on poster, E Book, and bug fixes.
- Began developing additions to front-end director and participant user interfaces.
- Developed new version of senior project website

Drew

- Hosted team status meetings
    - ○ MWF on days we don't meet for senior design class

- ○ Discussion Points: Current progress, blockers, demos
- Demoed current progress to current WWPF director and CEO
- Removed registration limit/time slots for on-site changes
  - ○ Made adjustments so that participants can register on-site regardless of the availability of time-slots
- Resolved Payeezy payment bug
  - ○ This bug prevented payments from processing through the participant UI
- Created and implemented state diagram for participant
  - ○ Implemented corresponding Accountant UI actions to modify states of participants, such as refunding a payment

John

- Created backend functionality for searching payments
- Worked with Drew to integrate backend functionality for searching payments into the UI
- Modified how payments are stored in the database to improve searches
- Added a datetime field to be recorded for payments and refunds

Noah

- Worked with Carlo to implement a UI button that allows a director to generate a QR code for on site registration.
- Adjusted the table to display payments to include more headers to display a payments ID, participant, date, event ID, and more.
- Provided photos to assist in updating our Senior Project website.

Plan for Milestone 6

Task Matrix (In order of priority)

Task	Carlo	Chris	Drew	John	Noah
1. Demo Video	50%	50%			
2. User Manual	50%	50%			

3. Developer Manual			50%	50%	
4. Admin UI					100%
5. Perform Beta Testing	20%	20%	20%	20%	20%

Discussion of Upcoming Tasks

- Task 1: Demo Video
  - Create a demo video of all aspects of the project
  - Demonstrate all implemented user interfaces: accountant, participant, and director
  - The video will include a demonstration of all the functionalities that have been added to the system and a walkthrough of how each user type would interact with the system
- Task 2: User Manual
  - Create a manual for any user to reference when interacting with the system
  - The manual will include a detailed step-by-step of how to work specific features of the system
- Task 3: Developer Manual
  - Create a manual for any future developers to reference when interacting with the source code, tests, infrastructure, and AWS configurations
  - The manual will include:
    - How to launch the system
    - How to properly update frontend and backend parts of the system
    - How to test new changes
    - How/Where to make infrastructure changes
- Task 4: Admin UI / Functionality
  - Begin implementation of a user with higher privileges than existing users
  - Main functionality is the ability to approve deletion of previously created events, before allowing accountants to review/refund all associated payments
- Task 5: Perform Beta Testing
  - Use system at a small heart screening event
  - Address any feedback from users

Meeting Dates

Client

Date	Discussion Points
February 28th, 2022	● Demo of current progress to WWPF event directors and CEO

Faculty Advisor

Date	Discussion Points
March 18th, 2022	● Presented Milestone 5 Progress ● Requested feedback

Feedback for Milestone 5

Faculty Advisor

- Task 1:
- Task 2:
- Task 3:
- Task 4:
- Task 5:
- Task 6:

Faculty Advisor Signature: _____ Date: _____

Evaluation by Faculty Advisor

- Faculty Advisor: detach and return this page to Dr. Chan (HC 214) or email the scores to pkc@cs.fit.edu
- Score (0-10) for each member: circle a score (or circle two adjacent scores for .25 or write down a real number between 0 and 10)

Carlo	0	1	2	3	4	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10
Chris	0	1	2	3	4	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10
Drew	0	1	2	3	4	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10
John	0	1	2	3	4	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10
Noah	0	1	2	3	4	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10

Faculty Advisor Signature: _____ Date: _____