American Heart Screening Management System

Milestone 2 Evaluation

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Sponsored By:

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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. Email reminder notification day before event	100%	50%	0%	50%	0%	0%	None
2. Close event registration day before event	100%	50%	0%	50%	0%	0%	None
3. Vary verbiage depending on participant's age	100%	0%	100%	0%	0%	0%	None
4. Auto display available times slots for private events	100%	0%	0%	0%	0%	100%	None
5. Provide unique links for event registration	100%	0%	0%	0%	100%	0%	None

Accomplishments

- Task 1: Automatic Email Reminders
    - Created, tested, and uploaded email template to AWS console, utilizing an existing HTML format for email message
    - Implemented wrapper queries to handle pagination of results for DynamoDB

- ○ Completed lambda function to fetch events occurring the next day and email registered participants, utilizing queries for events/participants written in milestone 1
    - ○ Created an AWS EventBridge rule to call Lambda function on a daily schedule using a cron expression
    - ○ Updated project infrastructure with Terraform to deploy Lambda function to AWS for different clients and environments
- Task 2: Automatic Event Finalization
    - ○ Implemented in parallel with email reminder system
        - ■ See points 2-3 above
    - ○ Utilized existing database update operation to finalize events
- Task 3: Age-Dependent Verbiage
    - ○ Words and terms used within questions on the registration form change based on the participant's age.
    - ○ Web-form recognizes when a user is older or younger than 18 years old.
    - ○ Web-form has two different sets of question prompts.
- Task 4: Auto Display Private Event Time Slots
    - ○ Private events only ever appear in the UI as a single event (via a private link), so auto displaying time slots removes the extra action to click needed by the user
    - ○ Created, tested, and implemented mounted auto-click function to auto click Vue.js card upon the page loading
    - ○ Included condition to only trigger if the event is private
- Task 5: Provide unique links for event registration
    - ○ Created and tested a button to copy an event's registration link into a director's clipboard
        - ■ Private events are only accessible to participants via this link generated by the director
    - ○ Added use of a POST request to pass an event ID to the backend to generate a unique link
    - ○ Added a function to properly handle the POST with APIGateway

Contributions

Carlo

- Worked with Drew to implement and test automatic email reminders for registered participants and event finalization

- Assisted team members with tasks as needed

Chris

- Implemented and tested automatic verbiage changes within the registration form for new participants.
- Assisted team members as needed with both client and server side development.

Drew

- Worked with Carlo to implement and test automatic email reminders for registered participants and event finalization
- Updated infrastructure with Terraform for new service for use with different clients and environments
- Assisted team members as needed with version control and tasks
- Maintenance of team Discord server and Google Doc file permissions/formatting

John

- Implemented and tested providing private event links to directors
- Assisted team members with completing tasks

Noah

- Implemented and tested mounted function to auto click Vue.js cards
- Assisted team members with tasks and code installation

Plan for Milestone 3

Task Matrix (In order of priority)

Task	Carlo	Chris	Drew	John	Noah
1. Test that a dedicated LAN machine for on-site registration is feasible	50%	50%	0%	0%	0%
2. Search Payment by	0%	0%	50%	50%	0%

several filters					
3. Export Payments to Spreadsheet	0%	0%	10%	10%	80%
4. Participant cancel registration	20%	20%	20%	20%	20%

Discussion of Upcoming Tasks

- Task 1:
  - Problem:
    - The day before an event, directors download a spreadsheet with all participants
    - On the day of an event, machines are setup with all participants names', allowing Cardea software to search for whichever (registered) participant uses a particular machine
    - Any on-site registrations would need to be done directly through the Cardea software, apart from the pre-event registration process
    - The spreadsheet needs to be continually updated/downloaded every time a participant registers onsite, rather than pulling the information from a database
  - Idea:
    - Cardea looks at a folder directory and iterates through all files, searching for participants
    - Setup a folder on a LAN on a machine **dedicated** for participant information, which interacts with our database and updates as people sign up on-site
    - First, we need to test that the LAN network is feasible
      - If this works, can we give on-site participants a QR code that takes them directly to registration online and displays available time slots automatically
  - Stretch Goal:
    - Potentially, screening results could be directed/stored on the same dedicated machine, rather than the machine that the screening was performed on
- Task 2:
  - Implemented as part of the **Admin** role

- ○ Accountants for WWPF should be able to search for participant payments using the following filters:
    - ■ Date
    - ■ Date range
    - ■ Participant
    - ■ Event
  - ○ Will need to search through database for payments made by participants on by these filters
  - ○ Payeezy API provides an API call to search for payment events based on a date range, which can potentially be interfaced with to provide the date/date range filter:
    https://developer.payeezy.com/payeezy-api/apis/get/events
- ● Task 3:
  - ○ Accountants for WWPF should be able to export participant payments to an external spreadsheet
    - ■ This should include results returned by the search filters above
  - ○ Need to omit credit card information
- ● Task 4:
  - ○ Participants should be able to cancel a registration after they have registered for an event
  - ○ Participants will have the ability for a full refund of the cancelled registration (if applicable), or to apply the credit to another in-progress event
    - ■ Payeezy API provides functionality for making and refunding payments

Meeting Dates

Client

Date	Discussion Points
Recurring meetings MWF 11:45am-12:00pm & 4:30pm - 5:00pm	● What we did since last meeting ● What we are working on until next meeting ● Any blockers/impediments

Faculty Advisor

Date	Discussion Points
Oct 29, 2021	● Presented Milestone 2 Progress ● Requested feedback

Feedback for Milestone 2

Client

- Ask more clarifying questions about tasks and utilize team members
- Will try to provide more detailed information about desired features
- Moving forward, the team will decide who will work on each task based on strengths

Faculty Advisor

- Task 1:
- Task 2:
- Task 3:
- Task 4:
- Task 5:
- Task 6:
- Task 7:
- Task 8:
- Task 9:

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: _____