

Aegis-A support for Spectrum Works

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Spectrum Works

Works with young adults with special needs.

Helps them find jobs and learn workforce skills.

Has relationships with partner companies.

Participants learn and work at partner companies.

Job coaches at partner companies provide support.

Participants can transition into a full time job.

Client: Anne Marie Sullivan

Hopes to expand Spectrum Works.

Needs software that can scale as company grows.

Wants to be able to show that participants are succeeding.

The software will help with gaining partner companies.

It needs to be easy to maintain.

Aegis

Aegis-protection, backing or support of a particular person or organization.

Software will aid participants and Spectrum Works with their goal of helping those with special needs learn and become better candidates for the workplace.

Types of Users

User: Someone interested in the website with an account.

Participant: A person participating in Spectrum Works' program.

Job Coach: A job coach for participants.

Partner Company Employee: A partner company employee.

Admin: Spectrum Works employees that help manage websites.

Add Course

Function can be accessed by: Admin

Let's admin add a course by adding it's name, description and text.

View All Courses

Function can be accessed by: All

View courses like a book. Multiple pages.

10 courses per page.

Link to each course.

View Specific Course

Function can be accessed by: Admin, Job Coach, Participant

Gets text of a specific course based on its name.

Can then learn from the course.

Set Participant's Program

Function can be accessed by: Admin

Sets a participant's program based on their skill level.

Create Account

Function can be accessed by: All

Person sets up account with username, password and personal info.

Verify Account

Function can be accessed by: Admin

Admin verifies a user's account.

Sets what type of user they are.

Log In

Function can be accessed by: All

Person enters username and password to log in.

If successful, they are logged in.

Add Coach

Function can be accessed by: Student

Students will be given an ID number by their coach and they will have to enter that on their account page under the add coach section.

If successful the coach's account and the students will be linked

Add Goal

Function can be accessed by: Coach, Admin

Coaches should be adding goals for the students to work toward as they progress in the education modules.

If successful, the goal will be added to the users progression page and show on the calendar is a complete by date was given.

Level advancement

Function can be accessed by: Student

Once a student has reached a sufficient level of knowledge in the required fields they will be advanced in level.

If successful, they are given access to new education modules, informed of the advancement, and coaches are informed as well.

Send Message

Function can be accessed by: All Users

Sender enters subject, message and receiver.

Receiver gets message with subject, message and sender.

View Received Messages

Function can be accessed by: All Users

User can view all messages sent to them.

View Sent Messages

Function can be accessed by: All Users

User can view all messages sent by them.

View Specific Message

Function can be accessed by: All Users

Gets message with specific messageId.

Displays info of that message.

Forum

Function can be accessed by: All

Used for communication.

Benefits participants and partner companies.

View Topics

Function can be accessed by: All

Gets all topics.

Provides links to each topic.

View Specific Topic

Function can be accessed by: All

Gets all posts in a topic.

Prints user who made post and its content.

Create Topic

Function can be accessed by: All Users

Create Post

Function can be accessed by: All Users

Remove Post, Remove Topic

Function can be accessed by: Admin

Option is on each post.

Used to prevent inappropriate posts.

Fill Out Survey

Function can be accessed by: Admin, Job Coach, Partner Company Employee

User fills out survey with a series of questions.

Saves survey results.

View Survey

Function can be accessed by: All

If not an Admin, a Job Coach, or Partner Company Employee, info is anonymous.

Shows the result of all surveys.

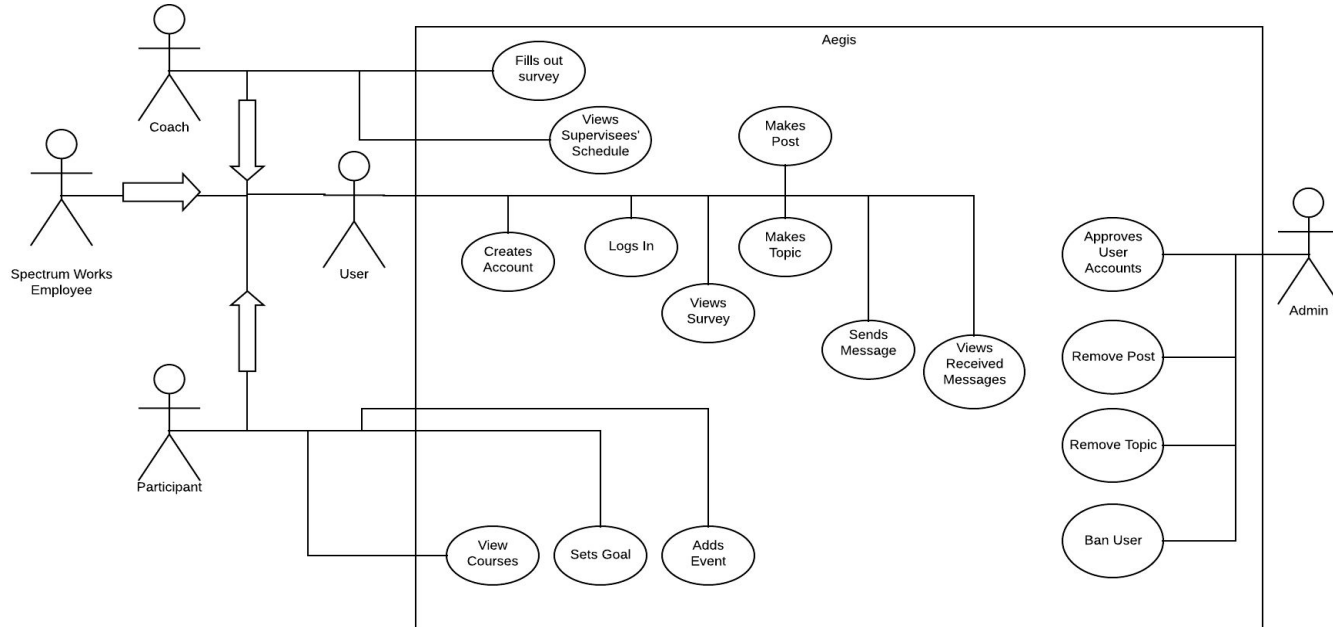
Exportability

Handled by making the system not depend on an environment.

Aegis will be on the internet rather than being downloadable software.

Will use html and php in order to access databases.

Use Case Diagram



Testing Phases

Four Main Phases

Inspection: The component appears correct.

Demonstration: The component works.

Testing: The component produces a predicted output based off of given input.

Analysis: The component handles corner cases correctly.

Testing Parts

Four Main Parts

Phase 1: Functionality Testing

Phase 2: Performance Testing

Phase 3: Acceptance Testing

Phase 4: Installation Testing

Conclusion

Aegis is designed to help participants.

Evolving Software looks forward to working on the software and cooperating with Spectrum Works.