

Class Name:	ID:	Type:
Description:		Associated Use Cases:
Responsibilities:	Collaborators:	

Attributes:
Relationships:

Class Name: User Account	ID: 01	Type: Parent
Description: A class created for the common features of all account types used in the system. Includes basic information and methods for managing user accounts.		Associated Use Cases: Student, Parent, Volunteer, Admin, Donor, Login
Responsibilities: Create Account Delete Account Update Account Read Account		Collaborators: Newsletter Calendar Child Classes

Attributes: Name DOB Addresses Email Phone	
Relationships: Associations: Newsletter Calendar Inheritance: Student Parent Donor Volunteer Admin	

Class Name: Donor	ID: 03	Type: Concrete
Description: Represents the accounts that will be made and used by donors. Illustrates how their accounts will interact with the rest of the system.		Associated Use Cases: Donation Tracker, Newsletter, Login
Responsibilities: Create, Read, Update, and Delete Account Read Newsletter	Collaborators: User Account Newsletter Employee Donation Tracker	

Attributes: Name
DOB
Addresses
Email
Phone
AmountDonated

Relationships:

Extends: User Account

Associations: Newsletter
 Login
 Newsletter
 DonationTracker

Class Name: Employee	ID: 04	Type: Concrete
Description: Represents the accounts that will be made and used by employees. Illustrates how their accounts will interact with the rest of the system. Details the actions they're responsible for performing in the system		Associated Use Cases: Calendar, Newsletter, Login ,Archive, ShareFile
Responsibilities: Create, Read, Update, and Delete Account RSVP to Calendar Read Newsletter Manage Archive Manage ShareFiles		Collaborators: User Account Newsletter Calendar Archive ShareFiles

Attributes: Name Job Description DOB Addresses Email Phone HireDate Wage
Relationships: <div> Extends: User Account </div> <div> Associations: Newsletter Login Calendar Archive ShareFile </div>

Class Name: Volunteer	ID: 05	Type: Concrete
Description: Represents the accounts that will be made and used by volunteers. Illustrates how their accounts will interact with the rest of the system.		Associated Use Cases: Calendar, Newsletter, Login
Responsibilities: Create, Read, Update, and Delete Account RSVP to Calendar Read Newsletter		Collaborators: User Account Newsletter Calendar Admin

Attributes: Name DOB Addresses Email Phone Validated Volunteer Hours	
Relationships:	
Extends:	User Account
Associations:	Newsletter Login Newsletter Calendar

Class Name: Admin	ID: 06	Type: Concrete
Description: Represents the accounts that will be made and given admin privileges within the system. These accounts will have special responsibilities and access in the AHA system.		Associated Use Cases: Calendar, Newsletter, Login ,Archive, ShareFile, Tracker
Responsibilities: Create, Read, Update, and Delete Account RSVP to Calendar Read Newsletter Manage Archive Manage ShareFiles Manage Trackers Approve other accounts		Collaborators: User Account Newsletter Calendar Archive ShareFiles Tracker Login

Attributes: Name
DOB
Addresses
Email
Phone

Relationships:

Extends: User Account

Associations: Newsletter
Login
Calendar
Archive
ShareFile
Tracker

Class Name: CalendarDate	ID: 07	Type: Parent
Description: Represents the system's calendar and how other classes will interact with it.		Associated Use Cases: Event, UserAccount,
<p>Responsibilities:</p> <p>Create, Read, Update, and Delete calendar events</p> <p>Display events to accounts</p> <p>Allow accounts to RSVP</p>	<p>Collaborators:</p> <p>Admin</p> <p>UserAccount</p> <p>Event</p>	

Attributes: Date
ID
Visibility
Time
Description

Relationships:

Inheritance: Event

Associations: Admin
UserAccount

Class Name: Event	ID: 08	Type: Concrete
Description: Represents the individual events on the calendar. Majority of functionality is inherited from calendar		Associated Use Cases: CalendarDate
Responsibilities: Create, Read, Update, and Delete events Appear in calendar		Collaborators: CalendarDate

Attributes: Date ID Visibility Time Location Description
Relationships: Extends CalendarDate

Class Name: File	ID: 09	Type: Parent
Description: A class that is used to outline the basic functionality of the files that exist within the AHA system. Majority of files will be created by an admin		Associated Use Cases: Newsletter, Query Builder, ShareFile, Admin
<p>Responsibilities:</p> <p>Establish functionality for creating, reading, updating, deleting, downloading, and uploading files</p>	<p>Collaborators:</p> <p>Admin</p>	

Attributes: ID
Location
Name
Type

Relationships:

Aggregation (Has Parts Of): Newsletter
Query Builder

Inheritance: ShareFile

Associations: Admin

Class Name: ShareFile	ID: 10	Type: Concrete
Description: A class that is used to outline the basic functionality of the files that are exchanged between employees		Associated Use Cases: File, Employee
<p>Responsibilities:</p> <p>Establish functionality for creating, reading, updating, deleting, downloading, and uploading share files</p>	<p>Collaborators:</p> <p>Employee</p> <p>File</p>	

Attributes: ID
Location
Name
Type
Creator
Visibility

Relationships:

Inheritance: File

Associations: Employee

Class Name: Newsletter	ID: 11	Type: Concrete
Description: Describes the functionality of the newsletter and how other objects within the system will interact with it. Inherits functionality from the file class		Associated Use Cases: File, UserAccount
Responsibilities: Create, Read, Update, and Delete Newsletters Be available to users to read		Collaborators: UserAccount File

Attributes: ID
Name
DateToSend
Language
Audience

Relationships:
Aggregation (Is a Part Of): File

Associations: UserAccount
File

Class Name: Query Builder	ID: 12	Type: Concrete
Description: Returns data from database based on queries.		Associated Use Cases: File, Employee, Admin
Responsibilities: Create, Read, Update, and Delete Queries Build Queries Accessed by the employees	Collaborators: Employee Admin	

Attributes: ID
Name
Criteria
File
Query

Relationships:
Aggregation (Is a Part Of): File

Associations: Employee
Admin

Class Name: Tracker	ID: 13	Type: Parent
Description: An abstract class used to establish the functionality of the trackers that are used in the system.		Associated Use Cases: child classes
Responsibilities: Estsablish functionality for creating, reading, updating, and deleting trackers	Collaborators: Grant Tracker Donor Tracker Spending Tracker	

Attributes: Criteria Name Target
Relationships: Inheritance: Donor Tracker Grant Tracker Spending Tracker

Class Name: DonationTracker	ID: 14	Type: Child
Description: Tracks Donations made through the site. Is able to track the donor as well as the amount they donated		Associated Use Cases: Donor, Tracker
<p>Responsibilities:</p> <p>Functionality for creating, reading, updating, and deleting donation trackers</p>	<p>Collaborators:</p> <p>Donor</p> <p>Tracker</p>	

Attributes: Criteria
Name
Target

Relationships:
Extends: Tracker

Associations: Donor

Class Name: GrantTracker	ID: 15	Type: Child
Description: Tracks grant made through the site. Is able to track the amount of money that comes from the grant		Associated Use Cases: Tracker
Responsibilities: Functionality for creating, reading, updating, and deleting grant trackers	Collaborators: Tracker	

Attributes: Criteria
Name
Target

Relationships:
Extends: Tracker

Class Name: SpendingTracker	ID: 16	Type: Child
Description: Tracks spending the company makes. Is only accessed by the admin and approved employees		Associated Use Cases: Tracker
<p>Responsibilities:</p> <p>Functionality for creating, reading, updating, and deleting spending trackers</p>	<p>Collaborators:</p> <p>Tracker</p>	

Attributes: Criteria
Name
Target

Relationships:
Extends: Tracker

Class Name: Backup	ID: 17	Type: Parent
Description: Establishes the functionality for any back up files that are created.		Associated Use Cases: Archive
Responsibilities: Create, Read, Update, and Delete functionality for back up data		Collaborators: Archive

Attributes:

Name

Date

Location

Relationships:

Inheritance: Archive

Class Name: Archive	ID: 18	Type: Child
Description: Where all the historic data for AHA will go. Can only be accessed by the admin and employees		Associated Use Cases: Backup, Employee, Admin
Responsibilities: Create, Read, Update, and Delete functionality for the archive		Collaborators: Employee Admin

Attributes:

Name
Date
Location

Relationships:

Extends: Backup

Association: Employee
Admin

Class Name: Login	ID: 20	Type: Concrete
Description: Establishes the functionality for logging into the system. Used by all user accounts and approved by admin.		Associated Use Cases: UserAccount, Admin
Responsibilities: Check user's credentials before logging them in and set them as the correct account type	Collaborators: Admin UserAccount	

Attributes:
Username
Password

Relationships:

Associations: Admin

Class Name: Board Member	ID: 21	Type: Concrete
Description: Represents the accounts that will be for board members. These accounts will have enough functionality to view events, manage their accounts, and view newsletters. As far as permissions go, they'll be treated similar to employees within the system with different attributes for their account		Associated Use Cases: Calendar, Newsletter, Login
Responsibilities: Create, Read, Update, and Delete Account RSVP to Calendar Read Newsletter		Collaborators: User Account Newsletter Calendar

Attributes: Title	
Name	
DOB	
Addresses	
Email	
Phone	
Relationships:	
Extends:	User Account
Associations:	Newsletter
	Login
	Calendar

Class Name: StudentTracker	ID: 22	Type: Child
Description: Tracks Students. Is able to return a student's name, student ID, school, grade, and gpa		Associated Use Cases: Student, Tracker
<p>Responsibilities:</p> <p>Functionality for creating, reading, updating, and deleting student trackers</p>	<p>Collaborators:</p> <p>Student</p> <p>Tracker</p>	

<p>Attributes: Criteria</p> <p>Name</p> <p>Target</p> <p>StudentID</p> <p>Name</p> <p>School</p>	<p>GPA</p> <p>Grade</p>
<p>Relationships:</p> <p>Extends: Tracker</p> <p>Associations: Student</p>	