

C212 Final Project - Travel Agency

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Github Repository link:

https://github.iu.edu/ojung/C212_Final_Proj

Classes:

Account

- Has:
 - Name
 - Number/ID
 - Payment info
 - Tours registered for
 - Type (user or admin)
 - Cart
- Methods:
 - get/set for Name, Payment info

Tour

- Has:
 - ID
 - Name
 - Cost
 - Description
 - Location
 - Itinerary
 - Time/Date
 - ID
 - Status (cancelled/scheduled)
- Methods:
 - Admin
 - All set functions
 - User/Admin
 - All get functions

TourList

- Has
 - ArrayList of TourNames
- Methods
 - Admin/User

- Select(String input), For specific tours
- List(int input), all available tours (either by date, cost, length, ect)

AccountList

- Has
 - Username/Password File
- Everyone
 - Startup(), create an account or login
- Admin only can:
 - Get all users (accounts -- only name and ID number)

Driver

- Methods
 - Main

Cart

- this could just be a modified TourList

- Has:
 - List of tours added to cart
- Methods:
 - Checkout
 - Print bill

Data Storage Systems:

Text Files:

- AccountList username/password/ID file
 - File with each account's username, password, and ID number
- Folder of Account info files (+ what tours they are going to)
 - Folder contains a text file for every account
 - Every account text file will have their ID, username, list of tours registered for, payment info, etc.
- Tours (about the tour)
 - Each tour has its own text file with its ID, description, date, etc.

UML diagram:

