# **Project Vision:**

We will be making a Planner application that can support event interactions, recognize event proposals, recognize resources, allow booking event times, and disallow two groups from booking to the same resources. The Planner should be able to create/delete events on the Planner, archive events, delete events that have already passed, and edit pre-existing events.

# Requirements

### **Functional**

- 1. Events should interact with services
- 2. The planner should support sponsored search results
- 3. The planner should enforce logical scheduling
- 4. The planner should have a user hierarchy
- 5. The planner should support searching
- 6. The planner should be able to share information
- 7. The user can create an account
- 8. The user can view resources
- 9. The user can interact with services
- 10. The user can interact with planner
- 11. The user can interact with events
- 12. The user can interact with friends
- 13. The user can update settings
- 14. The user can filter search results
- 15. The user can conduct business

#### Non-Functional

- 1. The planner, and its features, will be available in the English language.
- 2. Documentation for the planner will be written in English
- 3. All event dates are posted in the format of the Gregorian calendar
- 4. The planner assumes Central Standard Time
- 5. The planner should have a GUI

Use Cases	R q 1	R q 2	R q 3	R q 4	R q 5	R q 6	R q 7	R q 8	R q 9	R q 1	R q 1	R q 1	R q 1	R q 1	R q 1 5	Owner
UC Create New User																ВС
UC Login																ВС
UC Add Event																ВС
UC Manage Friends																ВК
UC Filter Search Results																JW
UC Set Notifications																1 M
UC Forgot Password																1 M
UC Search Planner																YX
UC Set Setting																YD
UC View Business																Y D
UC Edit Event																YX
UC Manage Services																ВК
UC Manage Booking																ВК
UC Manage Planner																YX

UC								ΥD
Payment								

# **ID** UC Create New User

# **Created By Bryce Clark**

**Scope** Travel planner

# **Stakeholders and interests**

User

- The person/persons who will be traveling on the trip.

# Precondition

- User does not have an account

# **Postcondition**

- A User is created

#### Main success scenario

- 1. User provides Credentials
- 2. User is created

- a.\* Anytime User hits cancel
- 1. User sent to login

# **ID** UC Login

# **Created By Bryce Clark**

**Scope** Travel planner

# **Stakeholders and interests**

User

- The person/persons who will be traveling on the trip.

# Precondition

- User wants to log in

# **Postcondition**

- User is logged in

#### Main success scenario

- 1. User provides credentials
- 2. User is logged in

- a.\* anytime User exits login
- 1. User sent back to desktop

#### **ID** UC Add Event

# **Created By Bryce Clark**

**Scope** Travel planner

# **Stakeholders and interests**

User

- The person/persons who will be traveling on the trip.

#### Precondition

User wants to add an event to their planner

#### **Postcondition**

- Event is added

#### Main success scenario

- 1. User selects Add Event
- 2. User picks option
- 3. Option is executed

- a.\* anytime User exits add event
- 1. Event is restored before User made any edits
- 1a. User selects event from data base
- 1. User selects an event
- 2. Event is added to planner
- 2a. User selects create an event
- 1. User enters event details
- 2. User selects save
- 3. Event is added to data base
- 4. Event is added to planner

# **ID** UC Manage Friends

# **Created By Benjamin Kilpatrick**

# **Scope** Travel planner

# **Stakeholders and interests**

#### User

- The person/persons who will be traveling on the trip.

# **Business User**

- Service Providers

#### Precondition

- User wants to manage friends

#### **Postcondition**

- Friends are updated

#### Main success scenario

- 1. User selects other user
- 2. Other user given access to user information
- 3. Other user's access to user is changed

- a.\* anytime User exits manage friends
- 1. No more updates are preformed
- 2.a User wishes to restrict access from a user with permission
- 1. Other user's permission to user is removed

#### **ID** UC Filter search results

# **Created By**

**Scope** Travel planner

# **Stakeholders and interests**

User

- The person/persons who will be traveling on the trip.

#### Precondition

- User wants to filter search results

#### **Postcondition**

- Search results are updated

#### Main success scenario

- 1. User selects filter search results
- 2. User picks option
- 3. Option is executed

- a.\* anytime user wants to exit
- 1. User sent to desktop
- b.\* anytime user wants to clear filter
- 1. User clears filter
- 2. Filter is cleared
- 2a. Filter by event
- 1. Results are filtered by event
- 2. Users get results
- 2b. Filter by location
- 1. Results are filtered by location
  - 2. Users get results
- 2c. Filter by service
- 1. Results are filtered by service
  - 2. Users get results

#### **ID** UC Set Notifications

# **Created By**

**Scope** Travel planner

# **Stakeholders and interests**

User

- The person/persons who will be traveling on the trip.

# **Business User**

- Service Providers

#### Precondition

- Notifications are not set to the User/Business User wants

#### **Postcondition**

Notifications are

#### Main success scenario

- 1. User chooses to set notifications
- 2. User chooses an option
- 3. Notifications are set

- a.\* anytime User no longer wants to set notifications
- 1. Return to Planner
- 2a. User sets event notifications
- 1. Event notifications are set
- 2. Return to planner
- 2b. User sets service notifications
- 1. Service notifications are set
- 2. Return to planner

#### **ID** UC View Profiles

# **Created By**

Scope Travel planner

# **Stakeholders and interests**

User

The person/persons who will be traveling on the trip.

#### Precondition

- User wants to view profiles of another User

# **Postcondition**

- User views or cannot view other user's profiles

#### Main success scenario

- 1. User wants to view profile
- 2. User selects profile to view
- 3. User views profile

- a.\* anytime user can exit out of view profile
  - 1. the user is no longer presented with the profile
- 2a. Profile could be set to private
  - 1. User will get a warning message

#### ID UC Search Planner

# **Created By Yutai Xue**

**Scope** Travel planner

# **Stakeholders and interests**

User

- The person/persons who will be traveling on the trip.

# **Business User**

- Service Providers

# Precondition

- User want to search for resources in Planner

#### **Postcondition**

- User gets result

#### Main success scenario

- 1. User inserts keyword and apply filters to search
- 2. User gets results

- a.\* anytime User stops searching
  - 1. Characters left in the search will not be remembered between instances
- b.\* anytime User wants to clear search
  - 1. User clears search
  - 2. Search is cleared
- 2a. User does not receive any results
- 1. System prompts user to reconsider their search term or filter

# **ID UC Set Setting**

# **Created By Yi Ding**

# **Scope** Travel planner

# **Stakeholders and interests**

#### User

- The person/persons who will be traveling on the trip.

# **Business User**

- Service Providers

# Precondition

User wants to set settings

#### **Postcondition**

- Settings are updated

# Main success scenario

- 1. User wants to set setting
- 2. User updates the settings

- a.\* anytime User wants to exit settings
- 1. User ends action
- 2a. User forgets to save settings and exits
- 1. Settings is reset back before User edited it

# **ID UC Sponsored Search Results**

# **Created By Yi Ding**

**Scope** Travel planner

# **Stakeholders and interests**

#### **Business User**

- Service Providers

#### Precondition

- Business User want to advertise

# **Postcondition**

- Top search results are sponsored by Business User

#### Main success scenario

- 1. Business Users want to advertise
- 2. Business Users select advertise and inserts budget
- 3. Sponsor ranking is updated

- a.\* anytime Business Users wants to exit advertise
- 1. Business Users ends action
- 2a. Business Users decide to not invest and exits advertise
- 1. Business Users ends action

#### **ID UC Edit Event**

# **Created By Yutai Xue**

# **Scope** Travel planner

# **Stakeholders and interests**

#### User

- The person/persons who will be traveling on the trip.

# **Business User**

- Service Providers

#### Precondition

- User want to view Planner

#### **Postcondition**

- User view Planner

#### Main success scenario

- 1. User selects Planner to view
- 2. User views Planner

- a.\* anytime User wants to exit select Planner
- 1. User sent back to the desktop
- 2a. User denied from viewing Planner
- 1. User receives a warning message
- 2. User remains on select Planner

# **ID** UC Manage Services

# **Created By**

# Scope Travel planner

# Stakeholders and interests

#### **Business** owner

- Wants to make profit by advertising services

# Business employee

- Wants to advertise services that they provide

#### Precondition

User with business access wants to manage service

#### **Postcondition**

- Service is updated

#### Main success scenario

- 1. Business User picks service
- 2. Business edits the service attributes
- 3. Service is edited

- a.\* anytime Business User exits manage service
- 1. Business User ends action
- 2. Service is restored before Business User made any edits
- 1a. The user does not select a service
- 1. New service is created
- 2. Business User inputs information
- 3. Business User ends action and service is updated
- 3a. Business User selects delete service
- 1. Business User selects service to delete
- 2. Business User confirms deletion
- 3. Business User ends action and service is updated

# ID UC Manage Booking

# **Created By** Benjamin Kilpatrick

# **Scope** Travel planner

# **Stakeholders and interests**

#### User

- The person/persons who will be traveling on the trip.

# **Business User**

- Service Providers

#### Precondition

- User want to manage booking

#### **Postcondition**

- Booking has been updated

#### Main success scenario

- 1. User selects booking
- 2. User edits the booking
- 3. Booking is saved

- a.\* anytime User exits manage booking
- 1. User ends action
- 2. Booking is restored before User made any edits
- 1a. User selects creates new booking
- 1. User inputs information
- 2. User ends action and booking is updated
- 3c. User deletes booking
- 1. User confirms deletion
- 2. User ends action and booking is updated

# **ID UC Manage Planner**

# **Created By Yutai Xue**

# **Scope** Travel planner

# **Stakeholders and interests**

#### User

The person/persons who will be traveling on the trip.

# **Business User**

- Service Providers

#### Precondition

- User want to manage planner

#### **Postcondition**

- Planner is updated

#### Main success scenario

- 1. User wants to manage a planner
- 2. User picks option
- 3. Option is executed

- a.\* anytime User exits manage planner
- 1. User ends action
- 2. Planner is restored before User made any edits
- 2a. User selects add planner
- 1. User inputs information
- 2. User ends action and planner is updated
- 2b. User selects edit planner
- 1. User selects planner to edit
  - 2. User edits information
  - 3. User ends action and planner is updated
- 2c. User selects delete planner
- 1. User selects planner to delete

- 2. User confirms deletion
- 3. User ends action and planner is updated

# **ID** UC Payment

# Created By Yi Ding

# **Scope** Travel planner

# **Stakeholders and interests**

#### User

- The person/persons who will be traveling on the trip.

# **Business User**

- Service Providers

# Precondition

- Payment is needed

#### **Postcondition**

- Payment has been paid

#### Main success scenario

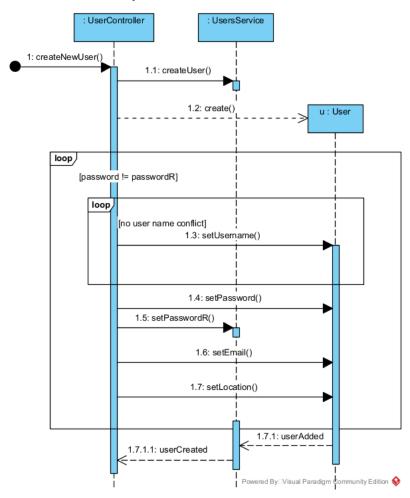
- 1. User selects checkout
- 2. User gives payment information
- 3. User payment is archived

- a.\* anytime User exits payment
- 1. User ends action
- 2a. User cannot afford the total
- 1. User receives a warning message
- 2. User ends action

# **SD and Operation Contracts**

**UC Create New User** 

Create new user - Bryce



# +createNewUser() +setUsername() +setPassword() +setPasswordR() +setEmail() +setLocation() Powered ByEVisual Paradigm Community Ed

Contract: createNewUser()

Operation: begins the create new user process

Cross Reference: user login

Pre-conditions: A user does not have an account.

Post-condition: A user is created.

Contract: setUsername()

Operation: sets the username credential of the new user

Cross Reference: user login

Pre-conditions: A new user has no username set. Post-condition: A new user has a username

Contract: setPassword()

Operation: sets the password credential of a new user

Cross Reference: user login

Pre-conditions: A new user does not have a password. Post-condition: A new user password is created.

Contract: setPasswordR()

Operation: sets the passwordR credential of a new user

Cross Reference: user login

Pre-conditions: A new user has not reentered their password.

Post-condition: Password and PasswordR match.

Contract: setEmail()

Operation: sets the email of the user

Cross Reference: user login

Pre-conditions: A new user account does not have an email.

Post-condition: A user email has been set.

Contract: setLocation()

Operation: sets the location of the user

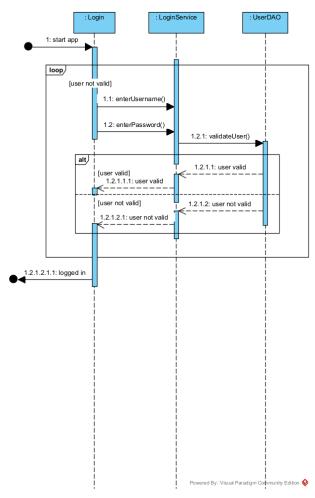
Cross Reference: user login

Pre-conditions: A new user account does not have a location set

Post-condition: A new user has a location set

UC Login

Login – Bryce



# Login +enterUsername() +enterPassword() +validateUser() Powered By:\(\text{Visual Paradigm Community Edition}\)

Contract: enterUsername()

Operation: user enters their username

Cross Reference: Login

Pre-conditions: User has not entered their username.

Post-condition: User waits for validation.

Contract: enterPassword()

Operation: user enters their password

Cross Reference: Login

Pre-conditions: User has not entered their password.

Post-condition: User waits for validation.

Contract: validateUser()

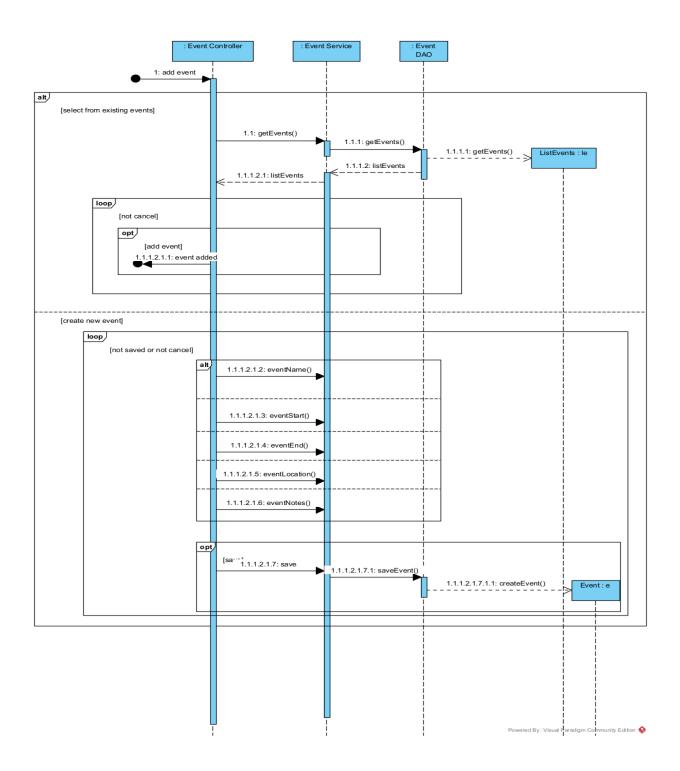
Operation: confirms that the username and password is valid Cross Reference: Login

Pre-conditions: User has entered their username and password.

Post-condition: User is now logged in.

UC Add Event

Add Events – Bryce



#### Add Event

+getEvents()

+eventName()

+eventStart()

+eventEnd()

+eventLocation()

+eventNotes()

save Events() Paradigm Community Edition

Contract: getEvents()

Operation: gets all events from the database

Cross Reference: add event

Pre-conditions: User wants to add event from the database. Post-condition: The selected event is added to planner.

Contract: eventName()

Operation: user enters the name of the event

Cross Reference: add event

Pre-conditions: User wants to create a new event.

Post-condition: A new event has been created and added to database.

Contract: eventStart()

Operation: user enters the start time of the event

Cross Reference: add event

Pre-conditions: User wants to create a new event.

Post-condition: A new event has been created and added to database.

Contract: eventEnd()

Operation: user enters the end time of the event

Cross Reference: add event

Pre-conditions: User wants to create a new event.

Post-condition: A new event has been created and added to database.

Contract: eventLocation()

Operation: user enters the location of the event

Cross Reference: add event

Pre-conditions: User wants to create a new event.

Post-condition: A new event has been created and added to database.

Contract: addNotes()

Operation: user enters any notes about the event

Cross Reference: add event

Pre-conditions: User wants to create a new event.

Post-condition: A new event has been created and added to database.

Contract: saveEvent()

Operation: user has created a new event

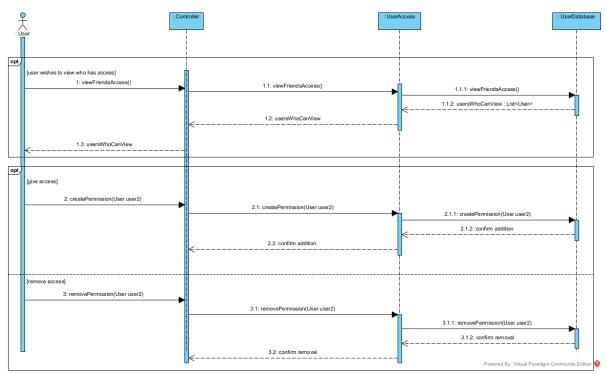
Cross Reference: add event

Pre-conditions: User has created a new event.

Post-condition: The event has been added to the database.

# **UC Manage Friends**

# SD Manage Friends – Benjamin



# System +createPermission(User user) +removePermission(User user) Powered By Visual Paradigm Community Ed

Contract: createPermission

Operation: creates permission for another user to access the active user's information

Cross Reference: Manage Friend Access

Pre-conditions: another user exists without access to the active user

Post-condition: the other user is granted access to the active users location and email.

Contract: removePermission

Operation: removes permission for another user to access the active user's information

Cross Reference: Manage Friend Access

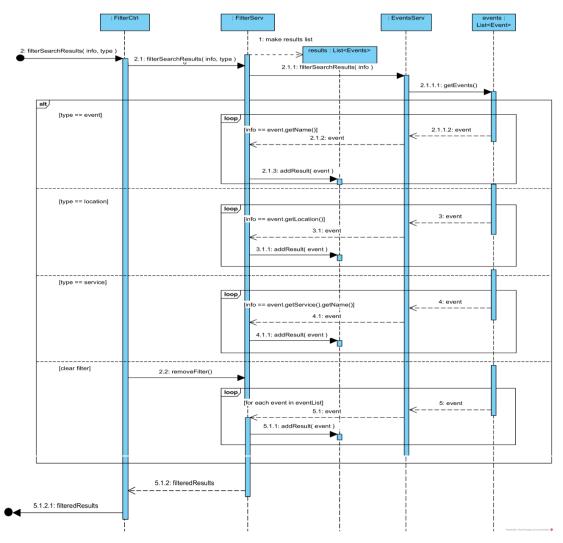
Pre-conditions: another user exists with access to the active user

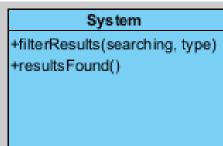
Post-condition: the other user's permission to view the active user's location and email is

revocked.

# **UC Filter Search Results**

# Filter Search Results - Jason





Contract: filterResults( searching, type )

Operation: Filters the results matching "searching" to only those that have the type of "type"

Cross Reference:Use Case: Filter Search Results

Pre-conditions: User wants to search for a specific result

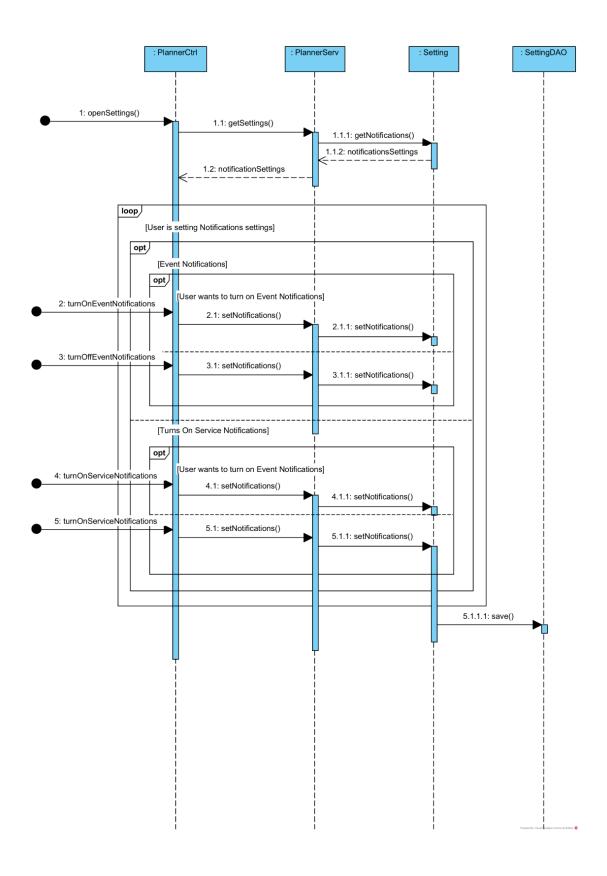
Post-condition: User receives search results

Contract: resultsFound

Operation: Prints the results returned by filterResults Cross Reference: Use Case: Filter Search Results Pre-conditions: results aren't visible to user Post-condition: results are printed for user to see

**UC Set Notifications** 

Set Notifications - Jason



# SetNotifications

+setNotification(option)

Contract: set Notification ( option )

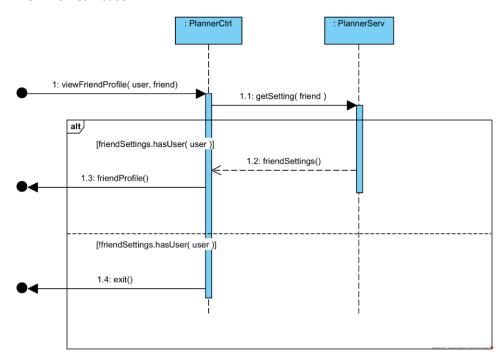
Operation: sets notifications for the planner Cross Reference: Use Case: Set Notifications

Pre-conditions: Notifications aren't properly configured

Post-condition: Notifications are configured

#### **UC View Profiles**

#### ViewProfiles - Jason



# ViewProfiles +viewProfile() +getUserProfile() +errorMessage()

Contract: viewProfile( )

Operation: checks if the user is allowed to view the given profile

Cross Reference: Use Case: ViewProfiles

Pre-conditions: User wants to open other users' profiles Post-condition: User's permissions are checked with the s

Contract: getUserProfile( )

Operation: acquires the profile of a user and displays it

Cross Reference: Use Case: ViewProfiles

Pre-conditions: User has correct permissions to view the profile

Post-condition: Profile is displayed

Contract: errorMessage()

Operation: sends an error message if the User has incorrect

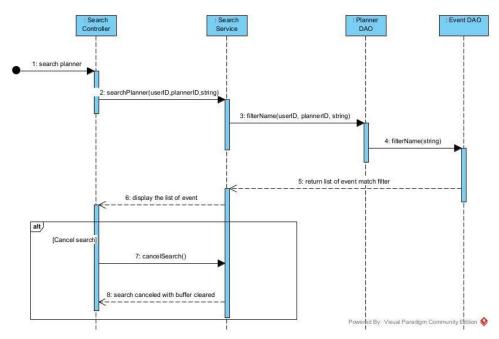
Cross Reference: Use Case: errorMessage()

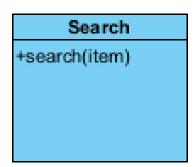
Pre-conditions: User has incorrect permissions for viewing the profile

Post-condition: Error message is displayed

# **UC Search Planner**

# Search - Yutai





Contract: Search

Operation: searches for an item with a keyword

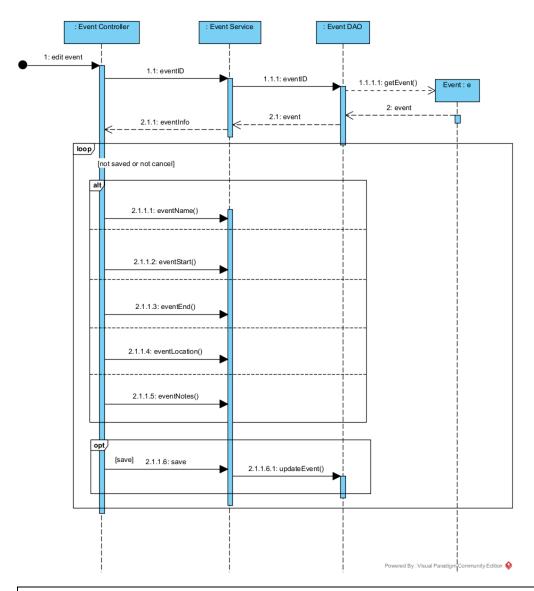
Cross Reference: Filter Search Result

Pre-conditions: User want to search for resources in Planner

Post-condition: User gets result based on keyword

**UC Edit Event** 

Edit Event- Yutai



Contract: eventName

Operation: Updates the event with the changes you have made

Cross Reference: manage planner

Pre-conditions: User want to edit an event's name Post-condition: User has completed their editing process

Contract: eventStart

Operation: Updates the event with the changes you have made

Cross Reference: manage planner

Pre-conditions: User want to edit an event's start date Post-condition: User has completed their editing process

Contract: eventEnd

Operation: Updates the event with the changes you have made

Cross Reference: manage planner

Pre-conditions: User want to edit an event's end date

Post-condition: User has completed their editing process

Contract: eventLocation

Operation: Updates the event with the changes you have made

Cross Reference: manage planner

Pre-conditions: User want to edit an event's location Post-condition: User has completed their editing process

Contract: eventNotes

Operation: Updates the event with the changes you have made

Cross Reference: manage planner

Pre-conditions: User want to edit an event's notes
Post-condition: User has completed their editing process

Contract: updateEvent

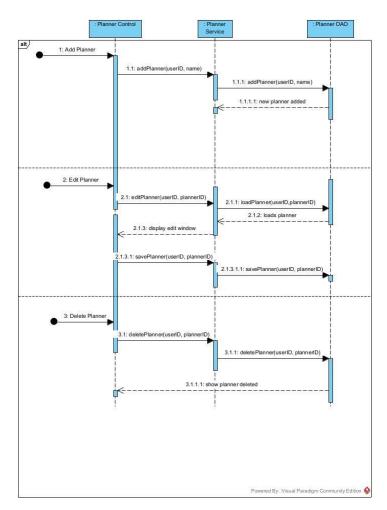
Operation: Updates the event in the databse with the changes you have made

Cross Reference: manage planner

Pre-conditions: User has finished editing their event Post-condition: User has completed their editing process

**UC Manage Planner** 

Manage Planner – Yutai





Contract: Manage Planner

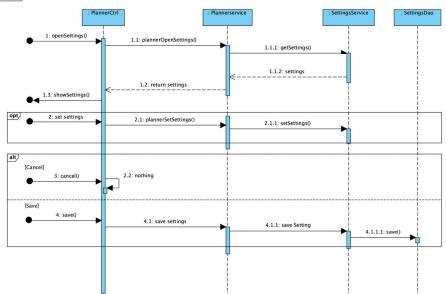
Operation: Allows for add, delete, or edit events from a planner

Cross Reference: Manage booking

Pre-conditions: User want to manage a planner Post-condition: Planner selected has been updated

#### Settings – Yi Ding

sd [Set Settings]



set Setting +setSetting()

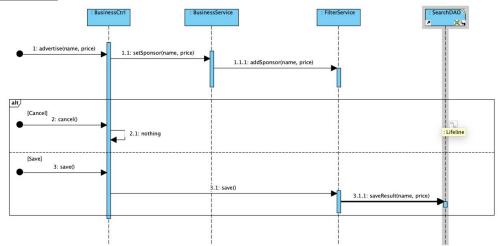
Contract: Set Setting

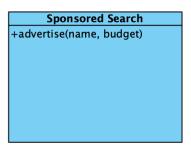
Operation: Allows User to set setting Cross Reference: Filter search results Pre-conditions: User wants to set settings Post-condition: Settings are updated

**UC Sponsored Search Results** 

Sponsored Search - Yi Ding

sd [Sponsored Search Result] /





Contract: Sponsored Search Results

Operation: Search results are padded with sponsors

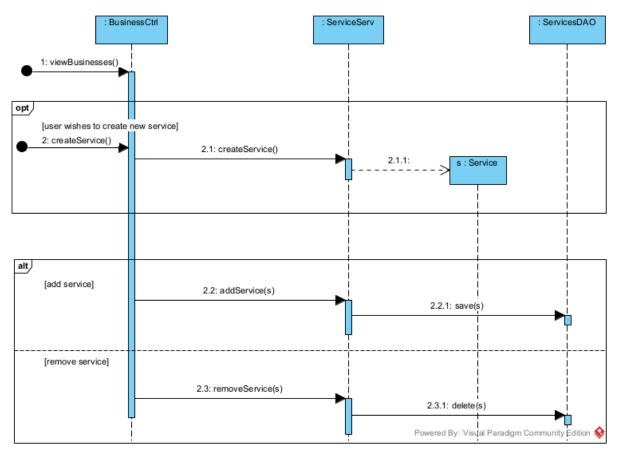
Cross Reference: Filer search results

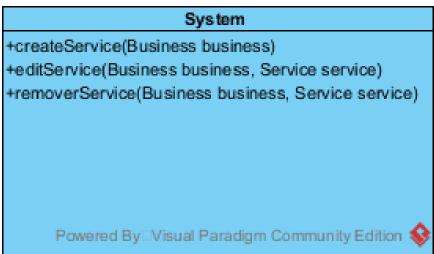
Pre-conditions: Business User wants to advertise

Post-condition: Rankings is updated

**UC Manage Service** 

SD Manage Service - Benjamin





#### Contract: createService

Operation: creates a service that is sold by a buisness and booked by users for their events Cross Reference: Manage Service

Pre-conditions: the user wants to create a service associated with a business to which they have access.

Post-condition: a new service is associated with a buisness

Contract: editService

Operation: edits a service that is sold by a buisness and booked by users for their events

Cross Reference: Manage Service

Pre-conditions: the user wants to edit a service associated with a business to which they have

access.

Post-condition: a pre-existing service is edited

#### Contract: removeService

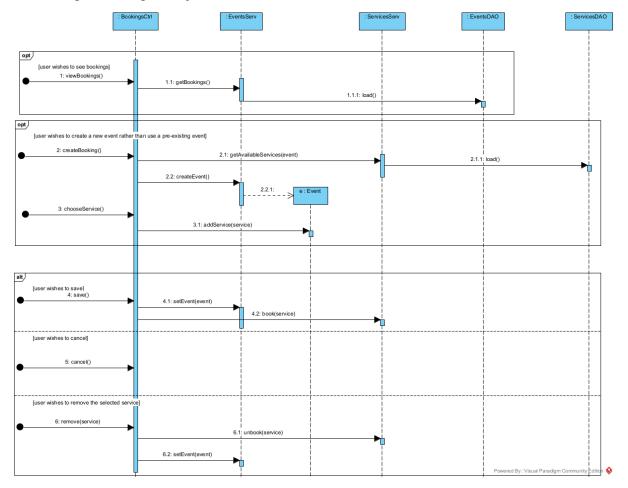
Operation: removes a service that is sold by a buisness and booked by users for their events Cross Reference: Manage Service

Pre-conditions: the user wants to remove a pre-existing service associated with a business to which they have access.

Post-condition: a pre-existing service is removed from those offerd by a business

#### **UC Manage Booking**

#### SD Manage Booking - Benjamin



#### System

- +createBooking(Event event)
- +editBooking(Booking booking, Event event)
- +removeBooking(Booking booking, Event event)

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Contract: createBooking

Operation: creates a booking

Cross Reference: Manage Booking

Pre-conditions: User wants to make a new booking

Post-condition: booking is created with some business offering some service

Contract: editBooking

Operation: edits a booking

Cross Reference: Manage Booking

Pre-conditions: User wants to edit a pre existing booking

Post-condition: booking is changed buisness is notified of change

Contract: removeBooking

Operation: remove a booking Cross Reference: Manage Booking

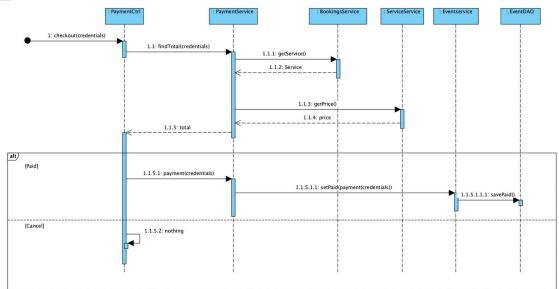
Pre-conditions: User wants to make a new booking

Post-condition: booking is created

**UC Payment** 

Payment - Yi Ding

sd [Payment]



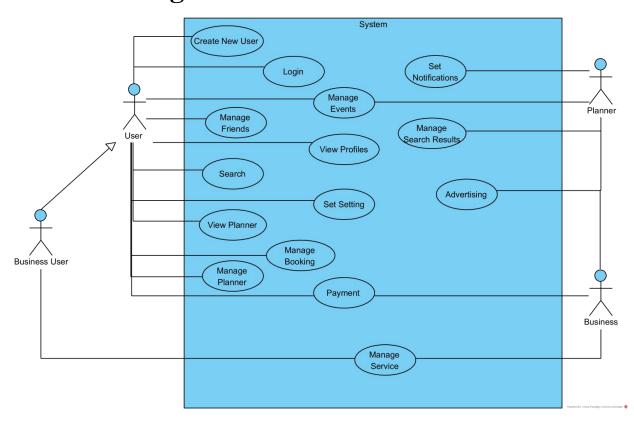
# Payment +checkOut() +payment(Credentials)

Contract: Payment

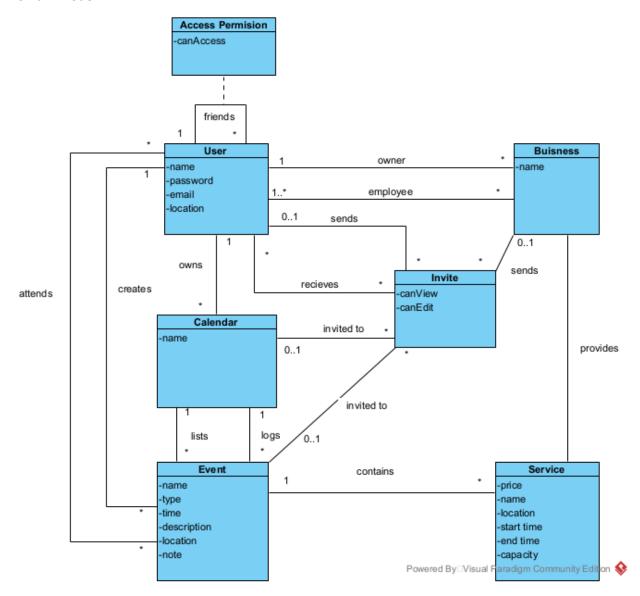
Operation: Allows User to pay total Cross Reference: Manage service Pre-conditions: User wants to pay total

Post-condition: Total is paid

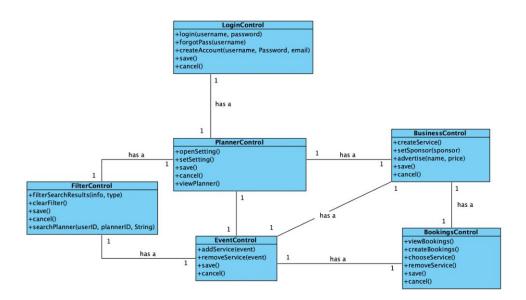
# **Use Case Diagram**



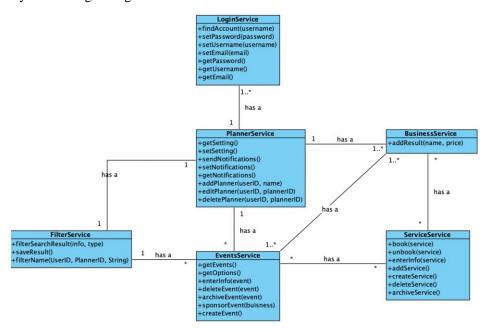
#### Domain Model



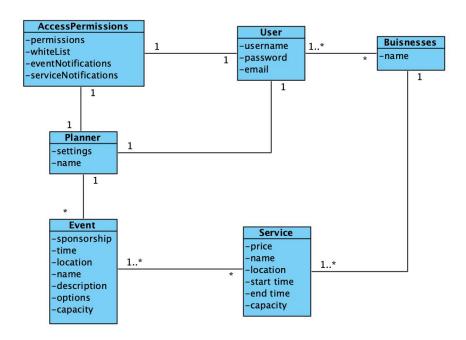
### UI Design Diagram



#### System Design Diagram



Persistence Design Diagram



## Testing Coverage

Requirements -> Functions	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Login()															
ForgotPass()															
CreateAccount()															
Save()															
Cancel()															
OpenSetting()															
SetSetting()															
ViewPlanner()															
CreateService()															
SetSponsor()															
Advertise()															
ViewBookings()															
CreateBooking()															
ChooseBooking()															
ChooseService()															
RemoveService()															
AddService()															
RemoveService()															
FilterSearchResult()															
ClearFilter()															
SearchPlanner()															
FindAccount()															
SetPassword()															
SetUsername()															
SetEmail()															
GetPassword()															
GetUsername()															
GetEmail()															
GetSetting()															
SetSetting()															
SendNotifications()															
SetNotifications()															
GetNotifications()															
AddPlanner()															
EditPlanner()															

DeletePlanner()								
AddResult()								
Book()								
UnBook()								
EnterInfo()								
AddService()								
CreateService()								
DeleteService()								
ArchiveService()								
GetEvents()								
GetOptions()								
EnterInfo()								
DeleteEvent()								
ArchiveEvent()								
SponsorEvent()								
CreateEvent()								
FilterSearchResult()								
SaveResult()								
FilterName()								

#### **GRASP Patterns**

Pattern: Information Experts

These classes are responsible for the management of other classes. The Planner allows interaction between the User and Event classes. The Event's job stores the relation between Users, Dates, and Services. The Planner's job is to store the relation between Users, Events, and Businesses. The Planner and Event classes are Information Experts, as they hold information on all the other classes. We plan to implement them so that each Planner will know what Events it has, and each Event will know the Users and Services connected to it.

Pattern: Creator

The main Creator in this software is the Planner, which creates Events, Services, Businesses, Users, and Permissions.

Pattern: Low Coupling & High Cohesion

Originally, Login and Registration functions were directly connected to the planner, but we decided to split the Login function into its own class to maintain Lower Coupling and High Cohesion. Most of our classes are self-contained, and don't require explicit knowledge of other classes to work as intended.

High coupling exists between our Planner, Event and Business classes. We have set it up this way so that we could decouple the User class from Events and Businesses and increase cohesion by separating Users from the Events and Services. The Planner has a list of Events, which also has a list of Services. Planners are directly connected to Users, so each member of Planner is, by proxy, a member of User. Both Events and Services cannot function without the existence of the User class. However, the other classes seem to be coupled only for the sake of a particular Use Case, so I believe the application has low coupling overall.

Pattern: Controller

The Controllers for this app will be the UI classes, which handle and react to input for different use cases. We chose to have controllers for Login, Planners, Filters, Business, Bookings, and Events. Bookings are closely tied to Services, so we set up a Controller to help visualize the ways in which booking works.

Pattern: Polymorphism

Polymorphism is demonstrated through our UI.

Pattern: Dynamic Binding

This exists because the UI all have createAndShowGUI() functions and extend JFrame through different implementations.

Pattern: Pure Fabrication

We have multiple classes that demonstrate this pattern. The first is the Event class, which represents the connection between Users, dates, locations, and Services. The class that

exemplifies this GRASP pattern is the Event class, which doesn't really represent anything that exists in reality. Event represents the relationship between Users and Dates.

Pattern: Indirection

Indirection is used many times throughout this software. One example is the Planner class which mediates between the Users and Events. There's also a lot of indirection through the UI, which handles User input and directs it to the other classes.

Pattern: Law of Demeter

This law is satisfied in multiple ways. Firstly, by the indirection between Users and Services, and between Services and Events.

Project manager

**Project dates** Aug 22, 2022 - Dec 30, 2022

Completion0%Tasks28Resources4

**Tasks** 

 Name
 Begin date
 End date

 presentation and reporting
 12/29/22
 12/29/22

Tasks

2

3

Name	Begin date	End date
Analysis	8/22/22	10/18/22
project vision	8/22/22	8/25/22
team assembly	8/26/22	8/31/22
infrastructure initialization	9/1/22	9/6/22
requirements analysis	9/7/22	9/9/22
use cases	9/12/22	9/14/22
traceability matrix	9/15/22	9/19/22
system sequence diagrams	9/20/22	9/26/22
system operations	9/27/22	9/30/22
wireframes	10/3/22	10/5/22
domain model	10/6/22	10/11/22
presentation and reporting	10/12/22	10/18/22
Design	10/27/22	12/6/22
design model	10/27/22	11/1/22
sequence diagrams	11/2/22	11/7/22
package diagrams	11/8/22	11/10/22
GRAPS patterns	11/11/22	11/15/22
test coverage	11/16/22	11/21/22
prototyping	11/22/22	11/29/22
presentation and reporting	11/30/22	12/6/22
Implementation	12/7/22	12/29/22
backend	12/7/22	12/9/22
user interface	12/12/22	12/15/22
user input validation	12/16/22	12/20/22
Import/export	12/21/22	12/22/22
unit-testing	12/23/22	12/26/22
documentation	12/27/22	12/28/22

#### Resources

 Name
 Default role

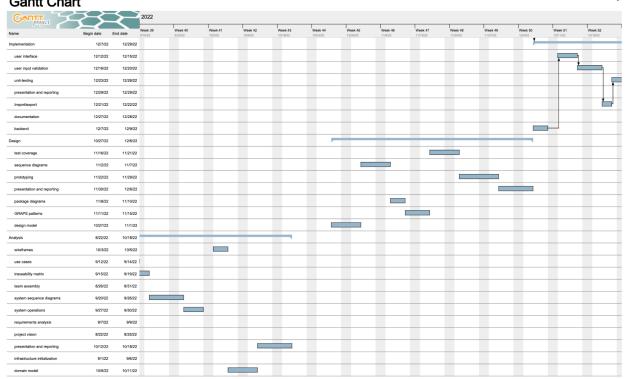
 Analyst
 Analyst

 Developer
 Developer

 Tester
 Tester

 Team Lead
 Team Lead





#### **Resources Chart** CANTT 2022 Week 40 Week 42 Week 43 Week 41 Week 46 Week 45 Week 47 10/20/22 10/30/22 11/30/22 11/30/22 Week 48 Week 49 Week 50 Week 51 Week 52 Name ⊟ Analyst 1992 9292 1972 19192 19192 Analyst Analysis □ • Developer Developer □ • Tester Tester Implementation □ ■ Team Lead Team Lead Analysis Design

Implementation

GANTT	$\nearrow \subset$	2022					2023		
ame	Begin date	End date August	September	October	November	December	January	February	March
nalysis	8/22/22	9/30/22		7					
project vision	8/22/22	8/25/22							Ш
team assembly	8/26/22	8/31/22							
infrastructure initialization	9/1/22	9/8/22							
requirements analysis	9/7/22	9/7/22	0						Ш
traceability matrix	9/8/22	9/8/22	1						Ш
use cases	9/8/22	9/12/22							
system sequence diagrams	9/8/22	9/14/22							
system operations	9/12/22	9/15/22							
wireframes	9/15/22	9/19/22							
domain model	9/16/22	9/21/22							
presentation and reporting	9/26/22	9/30/22							
esign	10/3/22	10/27/22			4				
design model	10/3/22	10/4/22		0					
sequence diagrams	10/18/22	10/21/22							
package diagrams	10/19/22	10/21/22							
GRAPS patterns	10/25/22	10/27/22							
test coverage	10/7/22	10/12/22							
prototyping	10/5/22	10/12/22							
presentation and reporting	10/26/22	10/27/22			0				
nplementation	11/2/22	11/23/22							
backend	11/2/22	11/4/22							
user interface	11/2/22	11/7/22							
user input validation	11/8/22	11/10/22							
Import/export	11/11/22	11/14/22							
unit-testing	11/16/22	11/17/22			0				
documentation	11/18/22	11/21/22							
presentation and reporting	11/23/22	11/23/22				1			

### **Timecard**

Benjamin: 22 hours
- Domain Diagram

- SSD

- Fully Dressed Use Case

Wire frameGlossaryGroup Avatar

Bryce: 7 hours - Requirements

- Use Case - SSD

- Fully Dressed Use Case

Jason: 23 hours

- System Operations

- Traceability matrix- Fully Dressed Use Case

RequirementsWire frameProject Planning

- Project Time Management

- SSD

- Fully Dressed Use Case

- Trello

- Project vision

- Use Case Diagram

Yutai: 9 hours
- Gantt Diagram

- Use Case

- SSD

- Fully Dressed Use Case

Yi: 21 hours
- Website
- PPT
- Use Case

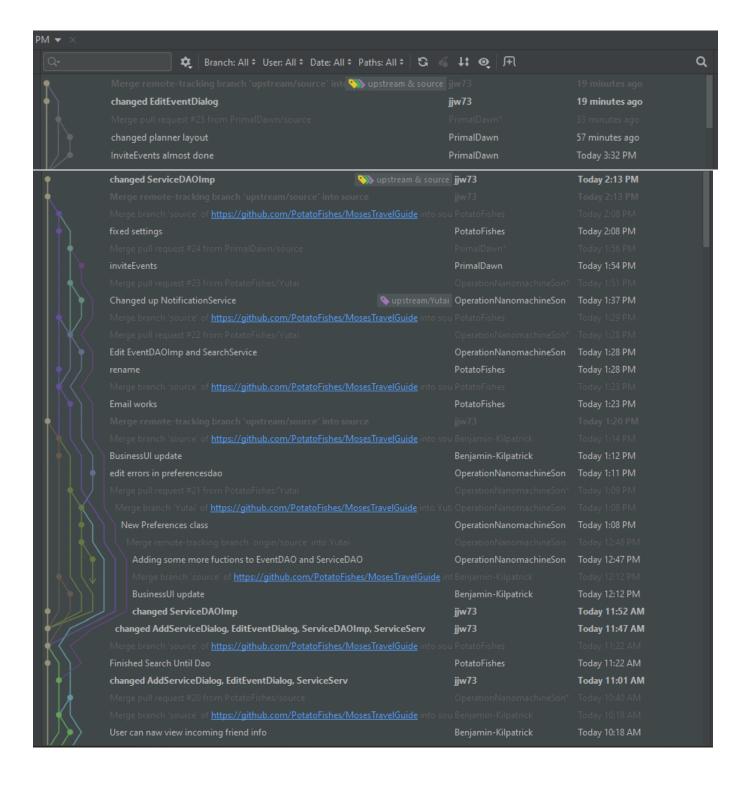
- SSD

- Fully Dressed Use Case

- Trello

# **GitHub**

# Git Commit Tracking from IntelliJ



User can naw view incoming friend info	Benjamin-Kilpatrick	Today 10:18 AM
Merge branch 'source' of <a href="https://github.com/PotatoFishes/MosesTravelGuide">https://github.com/PotatoFishes/MosesTravelGuide</a> into sou		
Finished Payment	PotatoFishes	Today 9:24 AM
Merge branch 'source' of <a href="https://github.com/PotatoFishes/MosesTravelGuide">https://github.com/PotatoFishes/MosesTravelGuide</a> into source		
Implemented the Follower class	Benjamin-Kilpatrick	Today 9:08 AM
changed EventsDAOImp, EventsServ, Planner,	jjw73	Today 8:38 AM
$\label{prop:merge} \textit{Merge branch 'source' of } \underline{\textit{https://github.com/PotatoFishes/MosesTravelGuide}} \ into \ source' \\ \text{of } \textit{https://github.com/PotatoFishes/MosesTravelGuide$		
blah	Benjamin-Kilpatrick	Today 7:46 AM
$changed\ Add Event\ ,\ Edit Event Dialog\ ,\ Event\ Events DAOImp,\ Events Serv,\ Login,\ New Control of the $	: jjw73	Today 7:19 AM
$\label{prop:merge} \textit{Merge branch 'source' of } \underline{\textit{https://github.com/PotatoFishes/MosesTravelGuide}} \ into \ source' \\ \text{of } \textit{https://github.com/PotatoFishes/MosesTravelGuide$		
Made Settings, Missing database access	PotatoFishes	Today 6:57 AM
Added BusinessUI	Benjamin-Kilpatrick	Today 5:39 AM
Remove friends from database	Benjamin-Kilpatrick	Today 5:19 AM
User is limited to only add friends who exist	Benjamin-Kilpatrick	Today 5:01 AM
$\label{prop:merge} \textit{Merge branch 'source' of } \underline{\textit{https://github.com/PotatoFishes/MosesTravelGuide}} \ into \ source \\ \text{of } \underline{\textit{https://github.com/PotatoFishes/MosesTravelGuide}} \ into \ source \\ o$		
Users can now add followers.	Benjamin-Kilpatrick	Today 4:49 AM
$changed\ Add Event\ ,\ Edit Event Dialog\ ,\ Events DAOImp,\ Events Serv\ Planner\ User DAOImp,\ Events Serv\ Planner\ Planner\$	jjw73	Today 4:49 AM
$changed\ Add Event\ (Added\ Event Service.create Event),\ Add Service Dialog\ (tryna\ fixed tryna\ fixed tr$	ijjw73	Today 2:50 AM
$\label{prop:merge} \textit{Merge branch 'source' of } \underline{\textit{https://github.com/PotatoFishes/MosesTravelGuide}} \ into \ source \\ \text{of } \underline{\textit{https://github.com/PotatoFishes/MosesTravelGuide}} \ into \ source \\ o$		
FriendsManagerUI update but still not finished	Benjamin-Kilpatrick	Today 2:44 AM
InviteDAO (half way done, too sleepy, going to finish morning)	OperationNanomachineSon	Today 1:16 AM
$\label{prop:merge} \textit{Merge branch 'source' of } \underline{\textit{https://github.com/PotatoFishes/MosesTravelGuide}} \ into \ source' \\ \text{of } \textit{https://github.com/PotatoFishes/MosesTravelGuide$		
Removed the ability to change id of event manualy	Benjamin-Kilpatrick	Today 12:16 AM
$changed\ Add Event,\ Add Service Dialog,\ Edit Event Dialog,\ Event,\ Planner,\ Service$	jjw73	Today 12:16 AM
changed AddEvent, AddServiceDialog, EditEventDialog, Event, Planner, Service	jjw73	Today 12:00 AM
$Merge\ branch\ 'source'\ of\ \underline{https://github.com/PotatoFishes/MosesTravelGuide}\ into\ source'$		
Fix the UserDao	Benjamin-Kilpatrick	Yesterday 11:53 PM
fix UserLoginService	Benjamin-Kilpatrick	Yesterday 11:00 PM

1111	fix UserLoginService	Benjamin-Kilpatrick	Yesterday 11:00 PM
	Fix UserDAO query	OperationNanomachineSon	Yesterday 10:57 PM
• ) )	re-push committed	jjw73	Yesterday 10:21 PM
$\langle \cdot  $			
<b> </b>	AddServiceDialog changed EditEventDialog changed	jjw73	Yesterday 10:16 PM
	Fixing SQL queries	OperationNanomachineSon	Yesterday 10:16 PM
⋠<	Merge branch 'source' of https://github.com/PotatoFishes/MosesTravelGuide into sou		
	Implemented Booking	Benjamin-Kilpatrick	Yesterday 10:14 PM
$\langle \cdot \rangle$			
• )	EditEventDialog added, AddServiceDialog changed, EditEventDialog changed	jjw73	Yesterday 9:55 PM
<b>•</b>	EditEventDialog added, AddServiceDialog changed, EditEventDialog changed	jjw73	Yesterday 9:54 PM
	Updated UserDAO, included a follow table.	OperationNanomachineSon	Yesterday 9:53 PM
	sql error	PrimalDawn	Yesterday 9:50 PM
	Load events from database when starting the app	Benjamin-Kilpatrick	Yesterday 8:58 PM
	Updated the UserLoginService	Benjamin-Kilpatrick	Yesterday 8:18 PM
	Created user Login Service to store user info	Benjamin-Kilpatrick	Yesterday 8:06 PM
<b>+</b>	EditEventDialog added	jjw73	Yesterday 7:39 PM
	$Merge\ branch\ 'source'\ of\ \underline{https://github.com/PotatoFishes/MosesTravelGuide}\ into\ source'$		
<b> </b>	Event added new constructor for no event ID input	jjw73	Yesterday 5:54 PM
<b>•</b>	springUtils 7 rows 1 col	jjw73	Yesterday 5:47 PM
	$Merge\ branch\ 'source'\ of\ \underline{https://github.com/PotatoFishes/MosesTravelGuide}\ into\ source'$		
$\{($			
	Finished UserDAO	OperationNanomachineSon	Yesterday 5:37 PM
	manageEvents part 2	PrimalDawn	Yesterday 5:35 PM
	mangaeEvents class	PrimalDawn	Yesterday 5:22 PM
	$Merge\ branch\ 'source'\ of\ \underline{https://github.com/PotatoFishes/MosesTravelGuide}\ into\ source'$		

Merge branch 'source' of <a href="https://github.com/PotatoFishes/MosesTravelGuide">https://github.com/PotatoFishes/MosesTravelGuide</a> into source		
Delete test2.java	${\sf Operation Nanomachine Son^*}$	Yesterday 5:14 PM
Delete test, java	${\sf Operation Nanomachine Son^*}$	Yesterday 5:14 PM
Delete roundBorder.java	${\sf Operation Nanomachine Son^*}$	Yesterday 5:14 PM
Delete UserDAO.java	${\sf Operation Nanomachine Son^*}$	Yesterday 5:14 PM
Delete User.java	${\sf Operation Nanomachine Son^*}$	Yesterday 5:14 PM
Delete SpringUtilities.java	${\sf Operation Nanomachine Son^*}$	Yesterday 5:14 PM
Delete ServicesServ.java	${\sf Operation Nanomachine Son^*}$	Yesterday 5:14 PM
Delete ServiceDAOImp.java	${\sf Operation Nanomachine Son^*}$	Yesterday 5:14 PM
Delete Service.java	${\sf Operation Nanomachine Son^*}$	Yesterday 5:14 PM
Delete Planner.java	${\sf Operation Nanomachine Son^*}$	Yesterday 5:14 PM
Delete Login.java	${\sf Operation Nanomachine Son^*}$	Yesterday 5:14 PM
Delete NewAccount.java	${\sf Operation Nanomachine Son^*}$	Yesterday 5:14 PM
Delete EventsServ.java	${\sf Operation Nanomachine Son^*}$	Yesterday 5:13 PM
Delete EventUl.java	${\sf Operation Nanomachine Son^*}$	Yesterday 5:13 PM
Delete EventDAOImp.java	${\sf Operation Nanomachine Son^*}$	Yesterday 5:13 PM
Delete Event.java	${\sf Operation Nanomachine Son^*}$	Yesterday 5:13 PM
Delete EditDialog.java	${\sf Operation Nanomachine Son^*}$	Yesterday 5:13 PM
Delete ButtonColumn.java	${\sf Operation Nanomachine Son^*}$	Yesterday 5:13 PM
Delete Booking.java	${\sf Operation Nanomachine Son^*}$	Yesterday 5:13 PM
Delete AddServiceDialog.java	${\sf Operation Nanomachine Son^*}$	Yesterday 5:13 PM
Delete AddLineDialog.java	${\sf Operation Nanomachine Son^*}$	Yesterday 5:13 PM
Delete AddEvent.java	${\sf Operation Nanomachine Son^*}$	Yesterday 5:13 PM
Delete AddBusiness.java	${\sf Operation Nanomachine Son^*}$	Yesterday 5:13 PM
Delete AbstractTableAction.java	${\sf Operation Nanomachine Son^*}$	Yesterday 5:12 PM
Merge branch 'Yutai' of <a href="https://github.com/PotatoFishes/MosesTravelGuide">https://github.com/PotatoFishes/MosesTravelGuide</a> into Yuta		
Add files via upload	${\sf Operation Nanomachine Son^*}$	Yesterday 5:05 PM
Finished UserDAO	OperationNanomachineSon	Yesterday 4:51 PM
Friends management and other updates	Benjamin-Kilpatrick	Yesterday 4:25 PM
UserDAO edit	OperationNanomachineSon	Yesterday 4:21 PM

TVI				
	Finished EventDAO and ServiceDAO		OperationNanomachineSon	Yesterday 4:10 PM
	Made Jar Files		jjw73	Yesterday 3:47 PM
	Made Jar Files		jjw73	Yesterday 3:38 PM
	Made Jar Files		jjw73	Yesterday 3:37 PM
	Merge branch 'source' of <a href="https://github.com/PotatoFishes/Mose">https://github.com/PotatoFishes/Mose</a>	sTravelGuide into sou		
	buisness update		Benjamin-Kilpatrick	Yesterday 2:45 PM
- <del> </del>				
	Created most of the user objects		PrimalDawn	Yesterday 2:40 PM
	removed EventDAO and ServiceDAO interfaces, finished Servic	eDAOImp	Your Name	12/3/2022 9:30 PM
	EventDAOImp and testing JDBC to AWS RDS		Your Name	12/3/2022 5:56 PM
177	Skeleton for Manage Service UC		Benjamin-Kilpatrick	12/3/2022 3:39 PM
+	UC Manage Booking Skeleton		Benjamin-Kilpatrick	12/3/2022 3:23 PM
	Updated EventDAO interface, added ServiceDAO and UserDAO int	terface	Your Name	12/3/2022 12:42 PM
	Added newAccount		PrimalDawn	12/3/2022 10:43 AM
	Made Jar Files		jjw73	12/2/2022 8:52 PM
	DBeaver		OperationNanomachineSon	11/30/2022 10:44 AM
	Event DAO interface (test)		OperationNanomachineSon	11/30/2022 10:44 AM
(((<	Update Hour.md		PotatoFishes*	10/31/2022 8:13 PM
	Revert "Jason"		lanewb*	10/31/2022 8:09 PM
	Update index.html		PotatoFishes*	10/31/2022 8:08 PM
-   ) ) ) ) }	Update index.html		PotatoFishes*	10/31/2022 8:08 PM
	Add files via upload		lanewb*	10/31/2022 8:07 PM
	Made Jar Files		jjw73	10/31/2022 8:06 PM
	Made Jar Files		jjw73	10/31/2022 8:05 PM
<del> </del>	Update index.html		PotatoFishes*	10/31/2022 8:05 PM
	Add files via upload		PotatoFishes*	10/31/2022 8:05 PM
	Update README.md		PotatoFishes*	10/31/2022 8:00 PM

	· · · · · · · · · · · · · · · · · · ·		
	Made Jar Files	jjw73	10/31/2022 7:58 PM
	Add files via upload	PotatoFishes*	10/31/2022 7:57 PM
	Add files via upload	OperationNanomachineSon*	10/31/2022 7:33 PM
	Add files via upload	lanewb*	10/31/2022 4:33 PM
	Add files via upload	PrimalDawn*	10/30/2022 11:51 PM
	Add files via upload	PrimalDawn*	10/30/2022 11:50 PM
	Add files via upload	PotatoFishes*	10/30/2022 11:05 PM
	Delete DesignDiagram.vpp	PotatoFishes*	10/30/2022 11:05 PM
	Add files via upload	PotatoFishes*	10/30/2022 8:19 PM
	Delete RevisedITR1.pdf	PotatoFishes*	10/30/2022 2:09 PM
	Updated Login, AddLineDialog, EditDialog, Event, Login, Planner, and Service	jjw73	10/28/2022 10:39 AM
	A waste of time.	PrimalDawn	10/28/2022 9:11 AM
	Add files via upload	PotatoFishes*	10/28/2022 5:15 AM
	Create README.md	PotatoFishes*	10/28/2022 5:15 AM
	Add files via upload	PotatoFishes*	10/28/2022 3:38 AM
	Update README.md	PotatoFishes*	10/28/2022 3:26 AM
	Update README.md	PotatoFishes*	10/28/2022 3:26 AM
	Add files via upload	PotatoFishes*	10/28/2022 3:19 AM
	Create README.md	PotatoFishes*	10/28/2022 3:19 AM
	Added Settings Button	jjw73	10/28/2022 2:54 AM
	Added Settings Button	jjw73	10/28/2022 2:46 AM
	Updated Service Class	jjw73	10/26/2022 2:15 PM
	Updated Service Class	jjw73	10/26/2022 1:33 PM
	Updated Planner, Event, and User Classes Added AddLineDialog, AbstractTableAct	ticjjw73	10/26/2022 5:23 AM
	Added stuff from Saturday 10/1/2022	jjw73	10/4/2022 11:43 AM
	Added Stuf worked on Saturday	jjw73	10/4/2022 11:36 AM
	added folders for project using .keep	Benjamin-Kilpatrick	9/30/2022 7:58 PM
	added Java Maven project	Benjamin-Kilpatrick	9/30/2022 5:21 PM
†	Update index.html	PotatoFishes*	9/25/2022 10:27 PM
🛉 🔃	Update index.html	PotatoFishes*	9/25/2022 10:23 PM
†	Add files via upload	PotatoFishes*	9/25/2022 10:22 PM
🛉	Delete UseCasesCSI3471.pdf	PotatoFishes*	9/25/2022 10:22 PM

† I	Create README.md	PotatoFishes*	9/23/2022 12:33 AM
	Update _config.yml	PotatoFishes*	9/22/2022 11:16 PM
	Delete Iteration 1 directory	PotatoFishes*	9/22/2022 11:08 PM
<u> </u>	Test2	PotatoFishes	9/22/2022 11:07 PM
<b>V</b>	Delete .gitattributes	PotatoFishes*	9/22/2022 11:06 PM
•	Delete .DS_Store	PotatoFishes*	9/22/2022 11:06 PM
<b>•</b>			9/22/2022 11:05 PM
<b>&gt;</b>	Revert "Website"	PotatoFishes*	9/22/2022 11:05 PM
$\blacksquare$			9/22/2022 11:04 PM
	Delete .gitattributes	PotatoFishes*	9/22/2022 11:04 PM
+	Delete .DS_Store	PotatoFishes*	9/22/2022 11:04 PM
+	Delete README.md	PotatoFishes*	9/22/2022 11:04 PM
<del> </del>	Delete Iteration 1 directory	PotatoFishes*	9/22/2022 11:03 PM
<b> </b>	Test1	PotatoFishes	9/22/2022 11:00 PM
•	Initial commit	PotatoFishes	9/22/2022 10:57 PM
•	README.md extended	Bobby Baylor	2/5/2018 7:39 PM
<b> </b>	README.md update	Bobby Baylor	2/5/2018 7:32 PM
•	revised gitignore	cerny	2/5/2018 6:32 PM
•	project files	cerny	2/5/2018 6:32 PM
•	gitignore	cerny	2/5/2018 6:31 PM

#### **Total Commits:**

Jason (jjw73 + ianewb): 47

Will (PotatoFishes): 46

Benjamin (Benjamin-Kilpatrick): 40

Yutai (OperationNanoMachineSon + Your Name): 38

Bryce (PrimalDawn): 20

#### Hours:

Jason – 25 hrs

Benjamin – 27 hrs

Yutai – 20 hrs

Will - 20

Bryce – 20