

EIR

Design Specification

Group 2

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PRODUCT VISION

FOR global backcountry snowsport enthusiasts

WHO want accurate and efficient access to avalanche condition reports

THE EIR system is a Web-based service

THAT provides online/offline access to high quality and easy to understand maps, graphs, and avalanche information

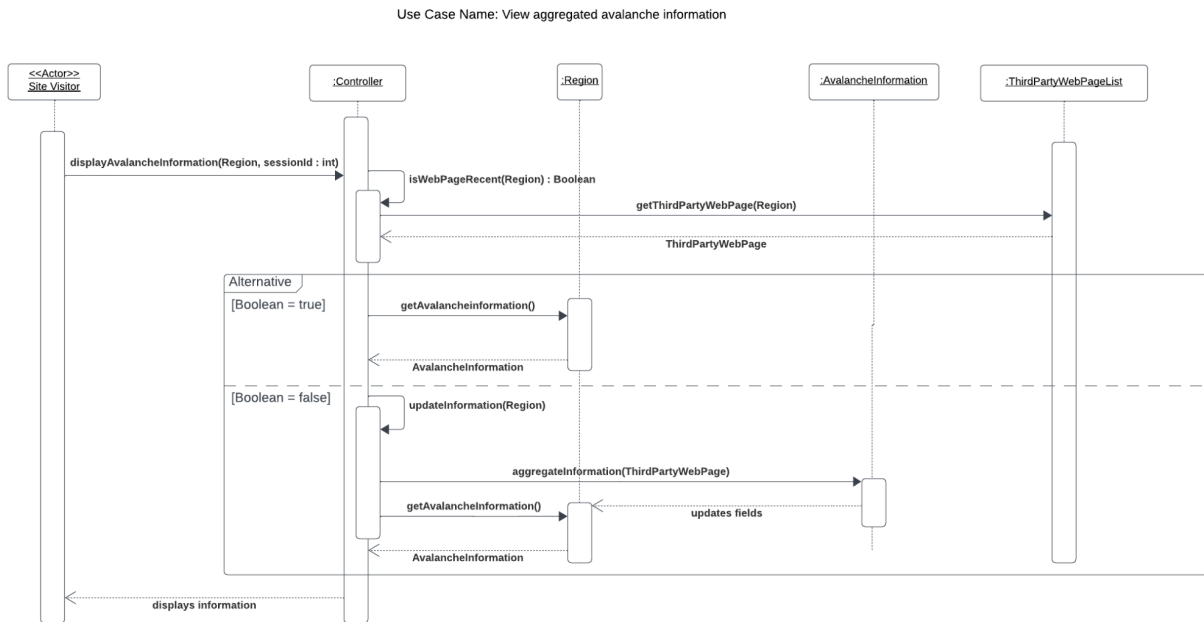
UNLIKE other avalanche reporting websites restricted to specific regions

OUR product provides accessible information for many popular backcountry regions across the world to help ensure the safety of our users.

Sequence Diagrams

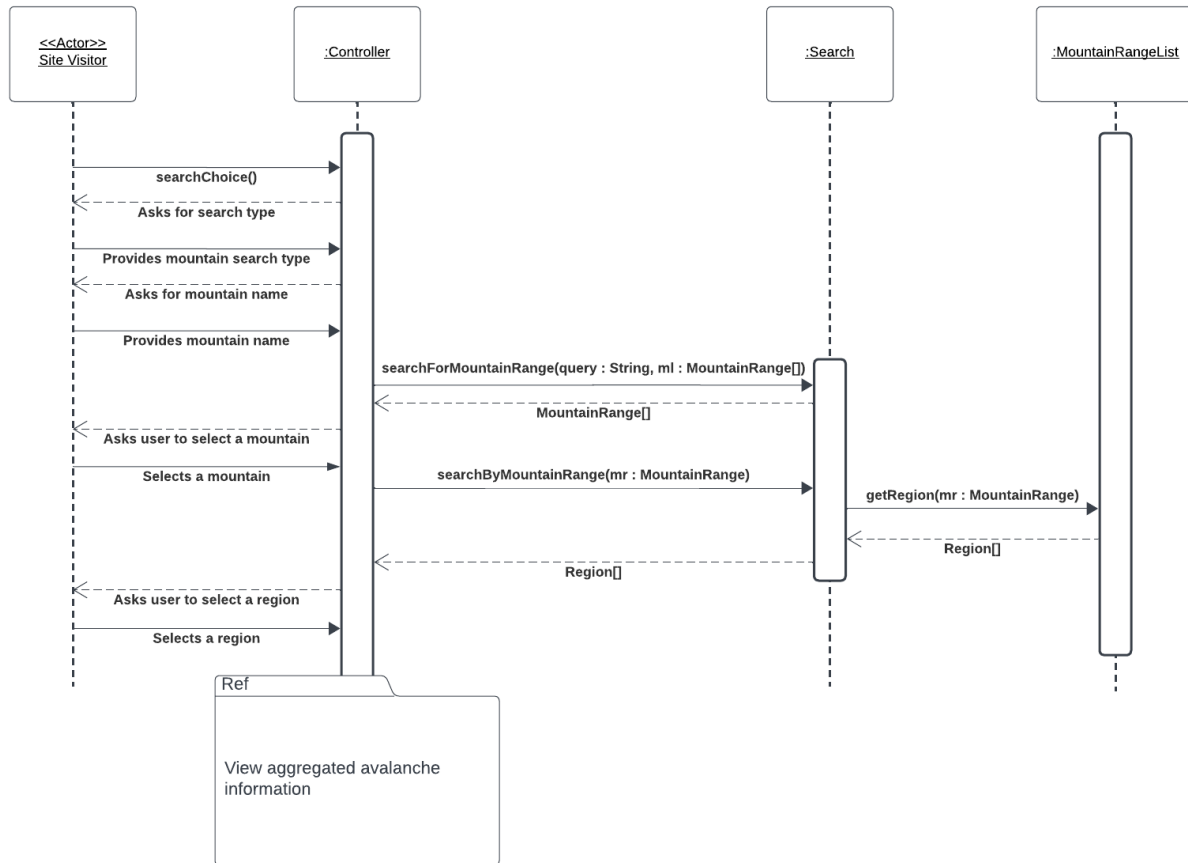
Sequence Diagram 1 Covers: US1-1, US1-2, US1-3, and US1-4 (Aidan Keefe)

Note: We have decided to combine US1-1, US1-2, US1-3, and US1-4 into one sequence diagram, since the use cases ended up being too similar. This change has been approved by Dr. Cummings.



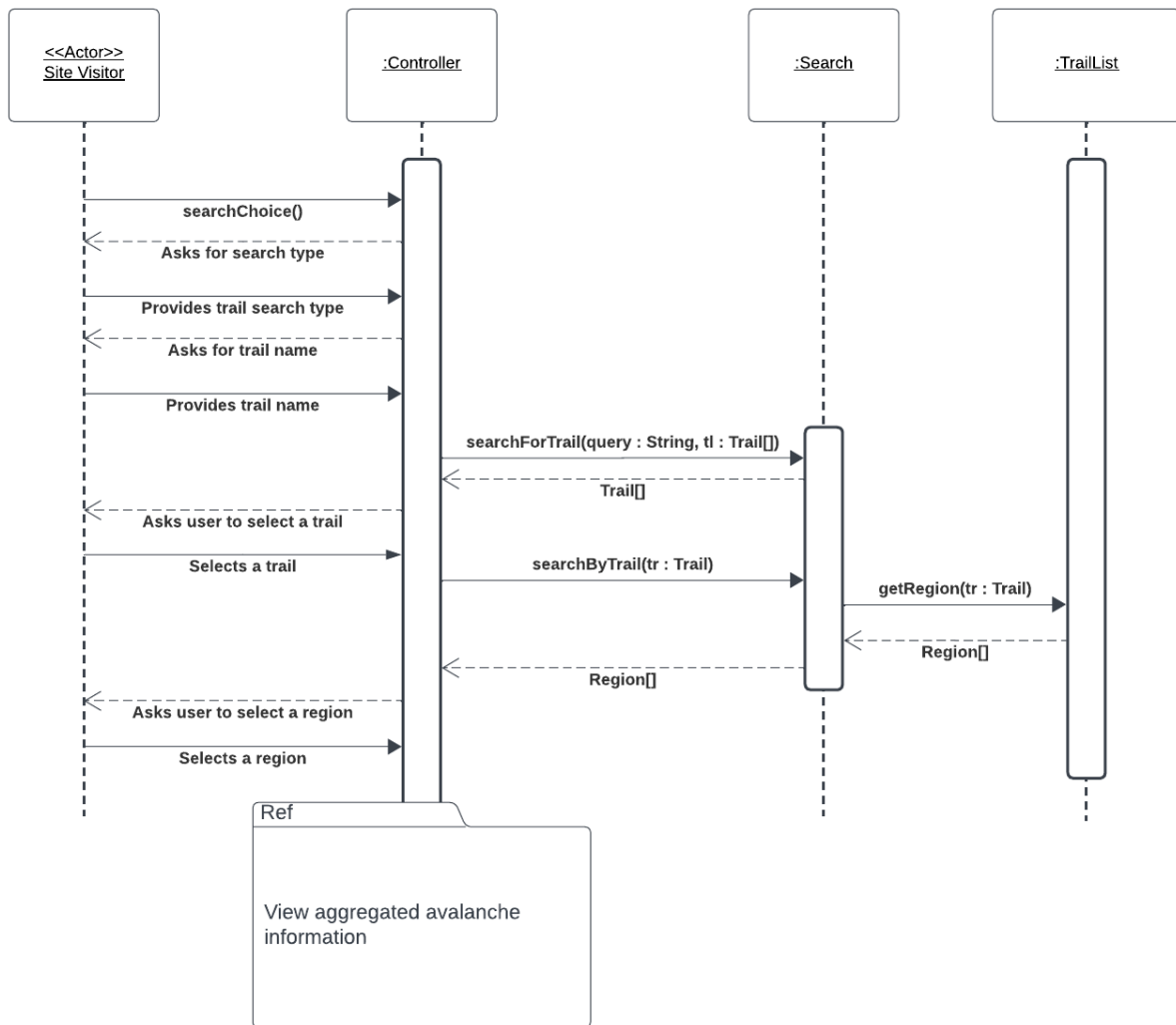
Sequence Diagram 2 Covers: US2-1 (Sebastian Carpenter)

Use Case Name: Search by Mountain Range



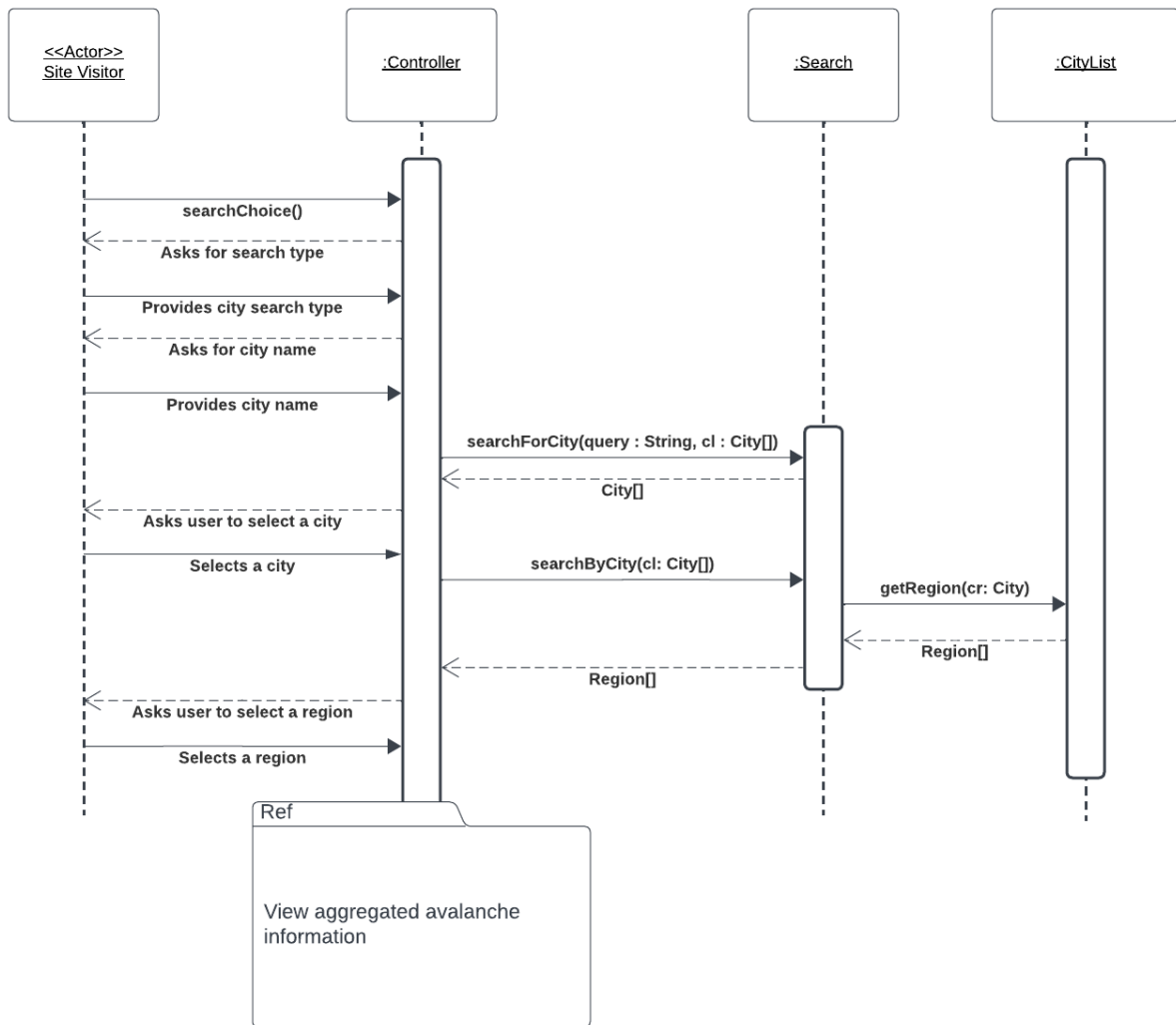
Sequence Diagram 3 Covers: US2-2 (Sebastian Carpenter)

Use Case Name: Search by Trail

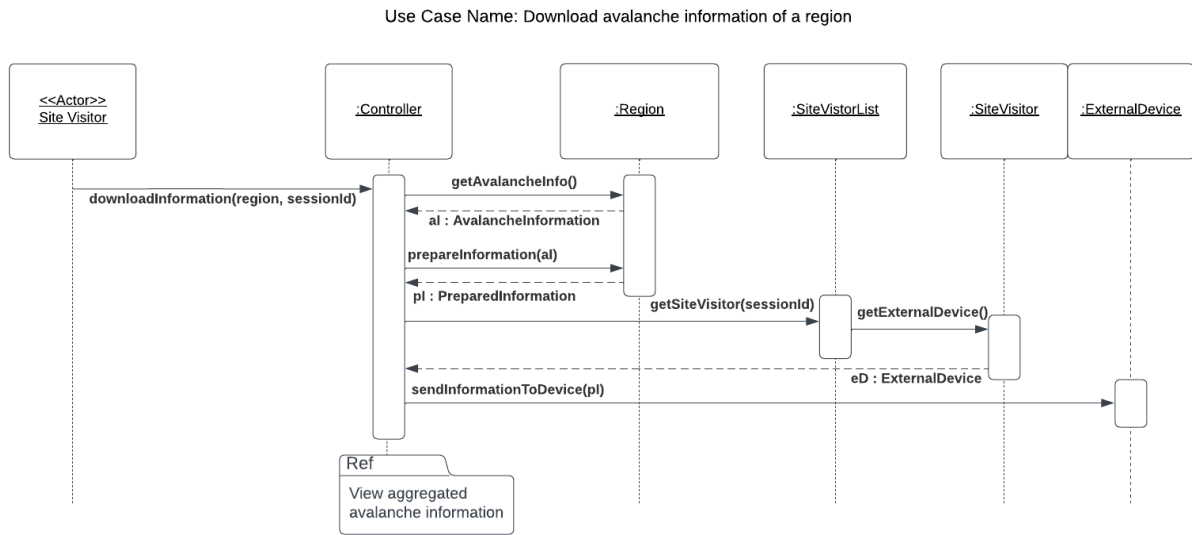


Sequence Diagram 4 Covers: US2-3 (Seamus McKenny)

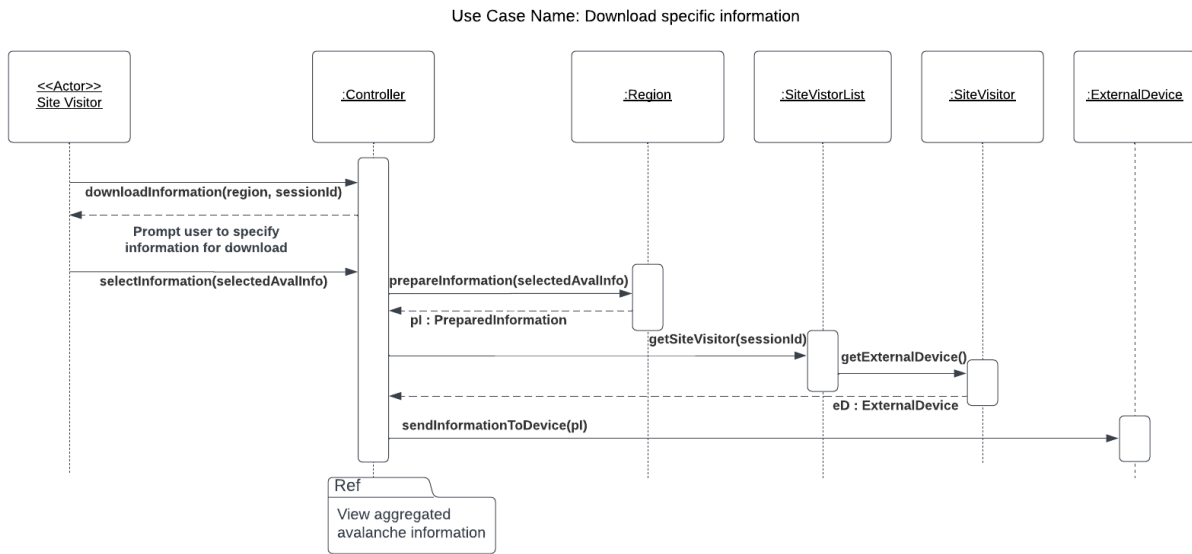
Use Case Name: Search by City



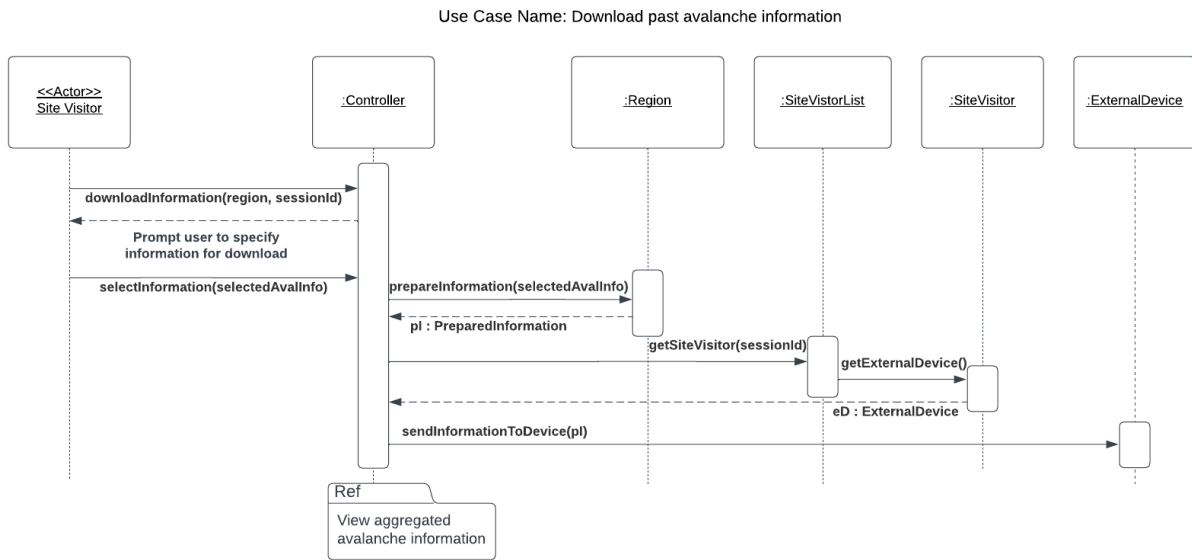
Sequence Diagram 5 Covers: US3-1 (Shane Costello)



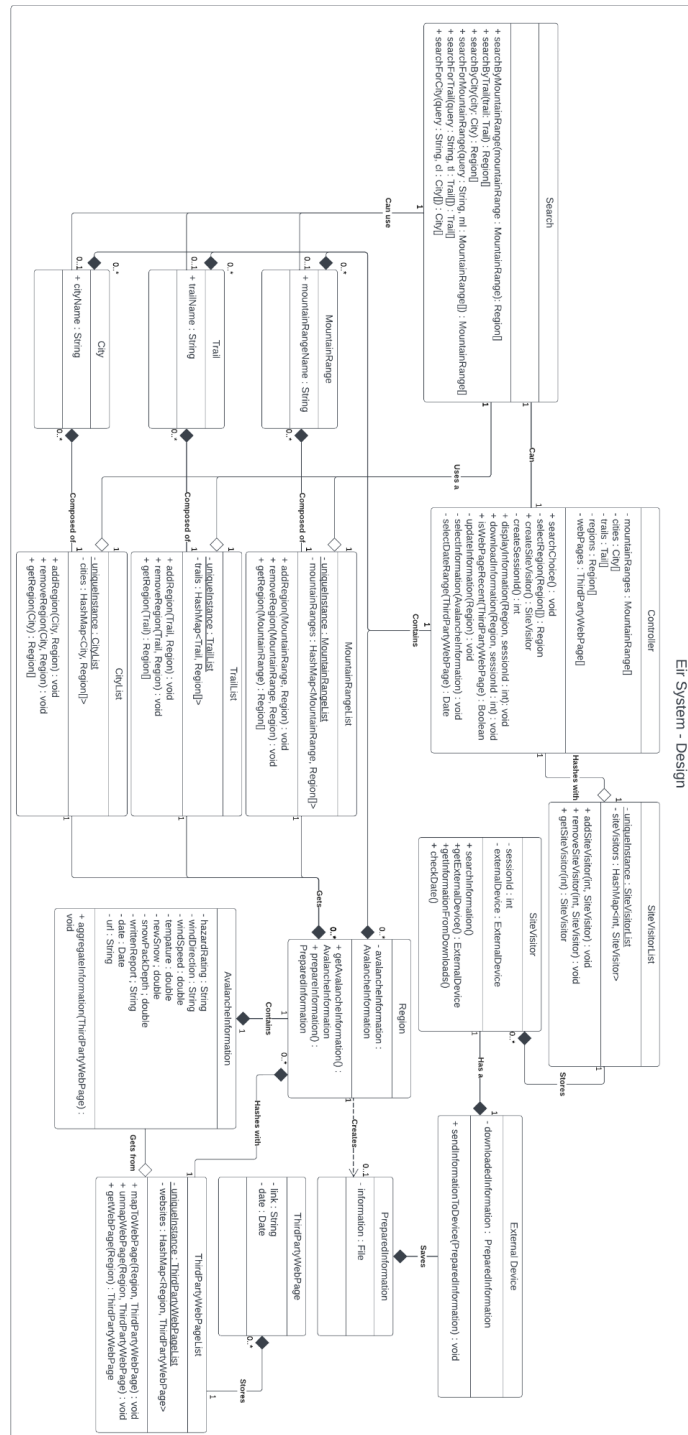
Sequence Diagram 6 Covers: US3-2 (Shane Costello)



Sequence Diagram 7 Covers: US3-3 (Seamus McKenny)



Design Class Diagram: (Aidan Keefe, Shane Costello, Sebastian Carpenter)

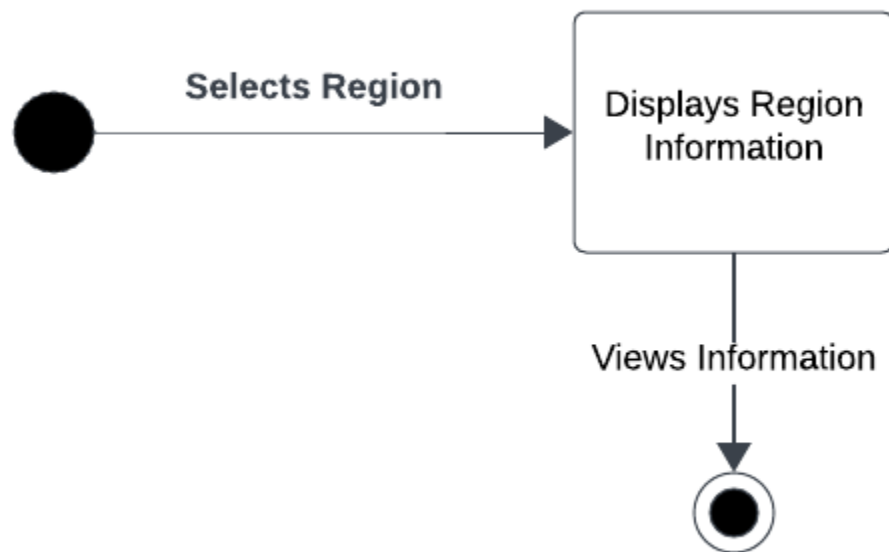


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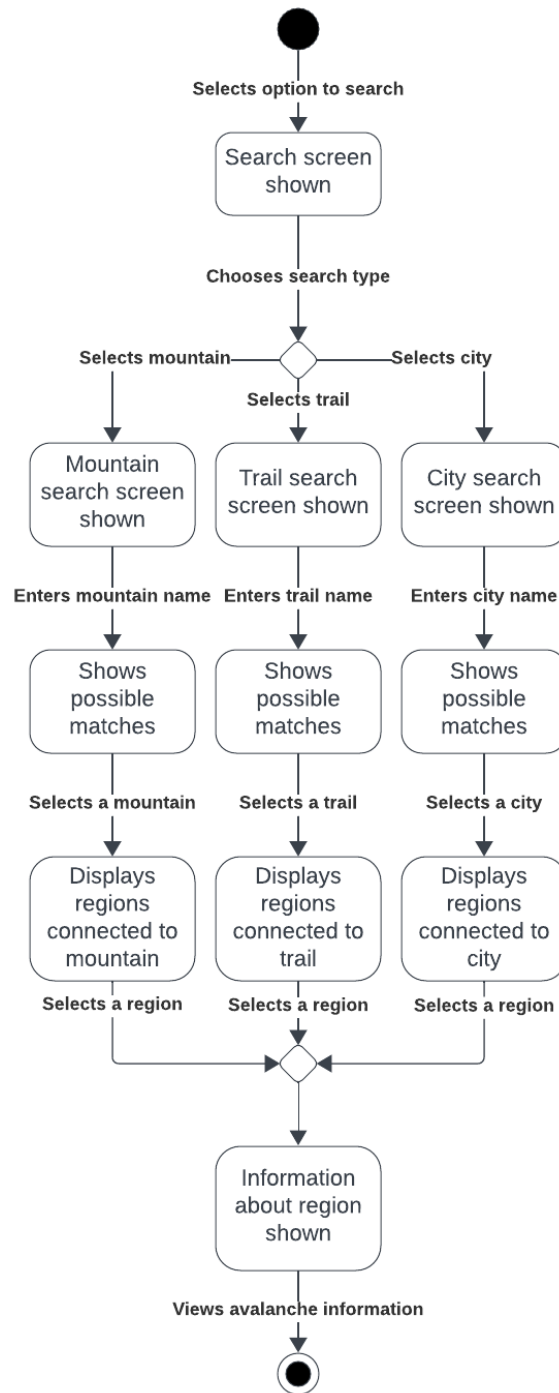
Note: We decided to put a link here since our class diagram is quite big.

State Diagrams

State Diagram 1 Covers: Activity diagram 1 (Seamus McKenny)



State Diagram 2 Covers: Activity diagram 2 (Sebastian Carpenter)



State Diagram 3 Covers: Activity diagram 3 (Shane Costello)

