# Sprint Listing of the Project

Sprint 1: User Authentication (1 Week)
- Activities:
  - ➢ Design the login and register pages.
  - ➢ Implement user authentication logic.
  - ➢ Create basic UI/UX designs for authentication screens.
- Actions:
  - ➢ Develop login and register page wireframes.
  - ➢ Build authentication logic (frontend and backend).
  - ➢ Incorporate user feedback into UI/UX designs.
- Conditions:
  - ➢ User authentication requirements.
  - ➢ UI/UX wireframes.
  - ➢ Functional login and register pages.
- Diagram:
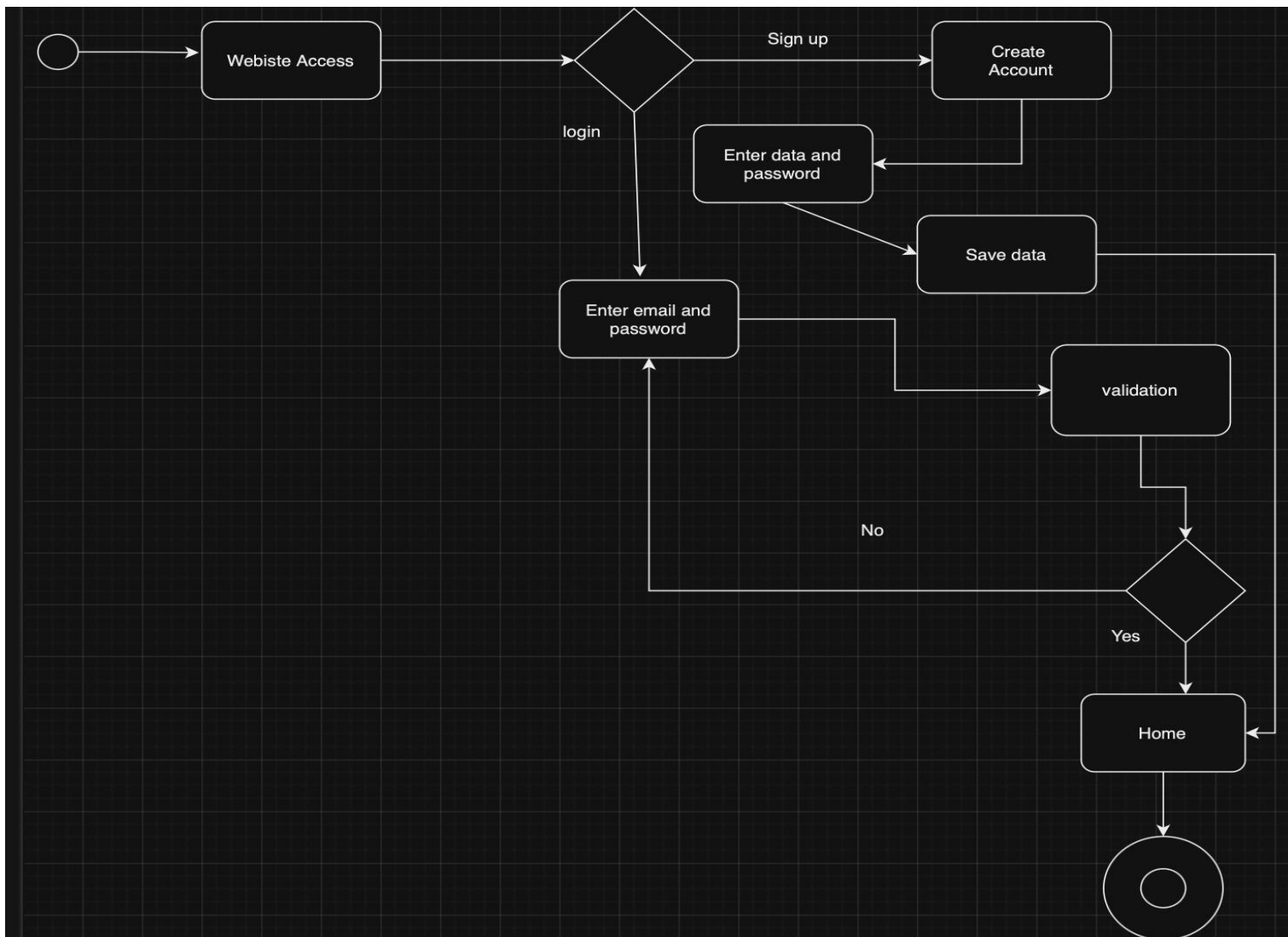
Sprint 2: Home Page(1 Week)
- Activities:
  - ➢ Design the home view.
  - ➢ Implement the home view UI.
  - ➢ Develop the search feature.
  - ➢ Connect the search feature with the backend.
- Actions:
  - ➢ Create UI/UX designs for the home view.
  - ➢ Implement frontend components.
  - ➢ Develop search functionality (filters, property listings).
  - ➢ Integrate frontend and backend for property data retrieval.
- Conditions:
  - ➢ Home view design.
  - ➢ Functional search feature.
  - ➢ Property data integration.
- Diagram:
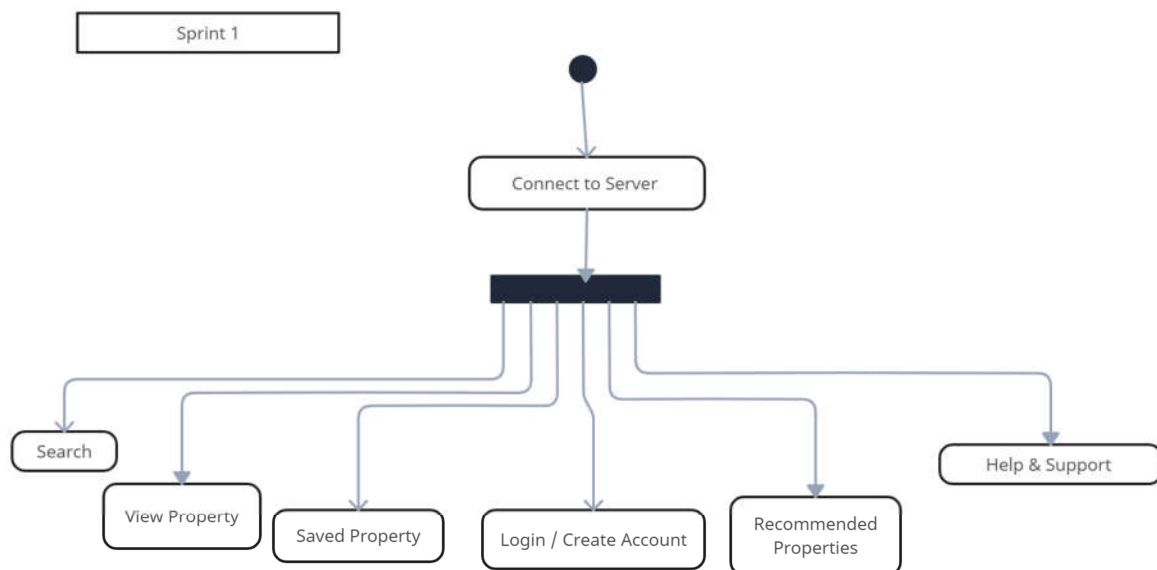
Sprint 3: Personalized Recommendation and Search Filter (1 Week)
- Activities:
  - ➢ Design personalized recommendation algorithms.
  - ➢ Implement recommendation logic.
  - ➢ Create UI for ratings and reviews.
- Actions:
 - ➢ Define recommendation algorithms based on user behavior.

> ➢ Build UI components for property ratings and reviews.
> ➢ Test recommendation accuracy and user review functionality.
- Conditions:
    - ➢ Recommendation algorithms.
- Diagram:
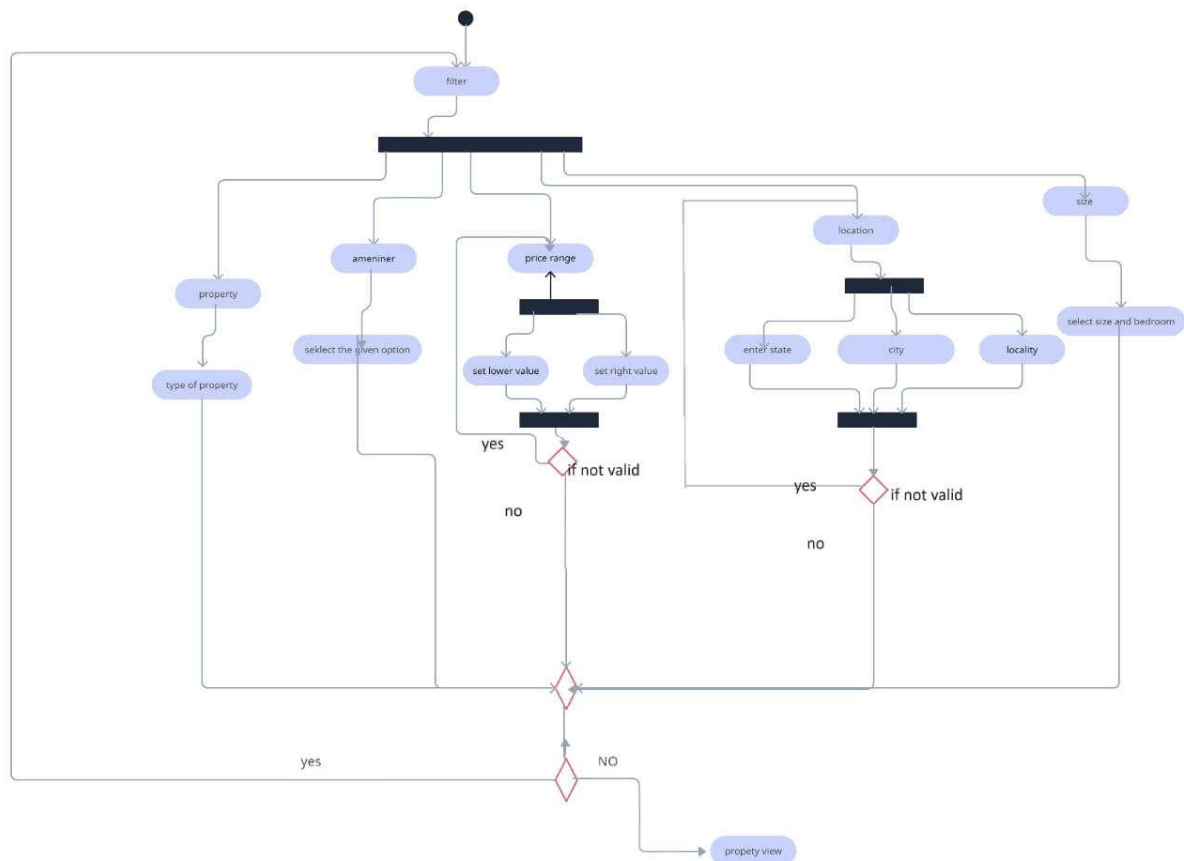
Sprint 4: Real Estate View(Property View) (1 Week)
- Activities:
    - ➢ Design property listing pages.
    - ➢ Implement property details pages.
    - ➢ Develop the "Save Favorites" functionality.
    - ➢ Integrate contact options with real estate agents.
    - ➢ Develop functionality for users to leave reviews.
- Actions:
    - ➢ Create UI designs for property listings and details.
    - ➢ Build frontend components for property details.
    - ➢ Implement saving properties to favorites.

➢ Integrate contact forms or chat options with agents.
➢ Implement logic for user reviews and ratings.
- Conditions:
  ➢ Functional ratings and reviews.
  ➢ Functional property listing and details pages.
  ➢ Ability to save favorite properties.
- Diagram:
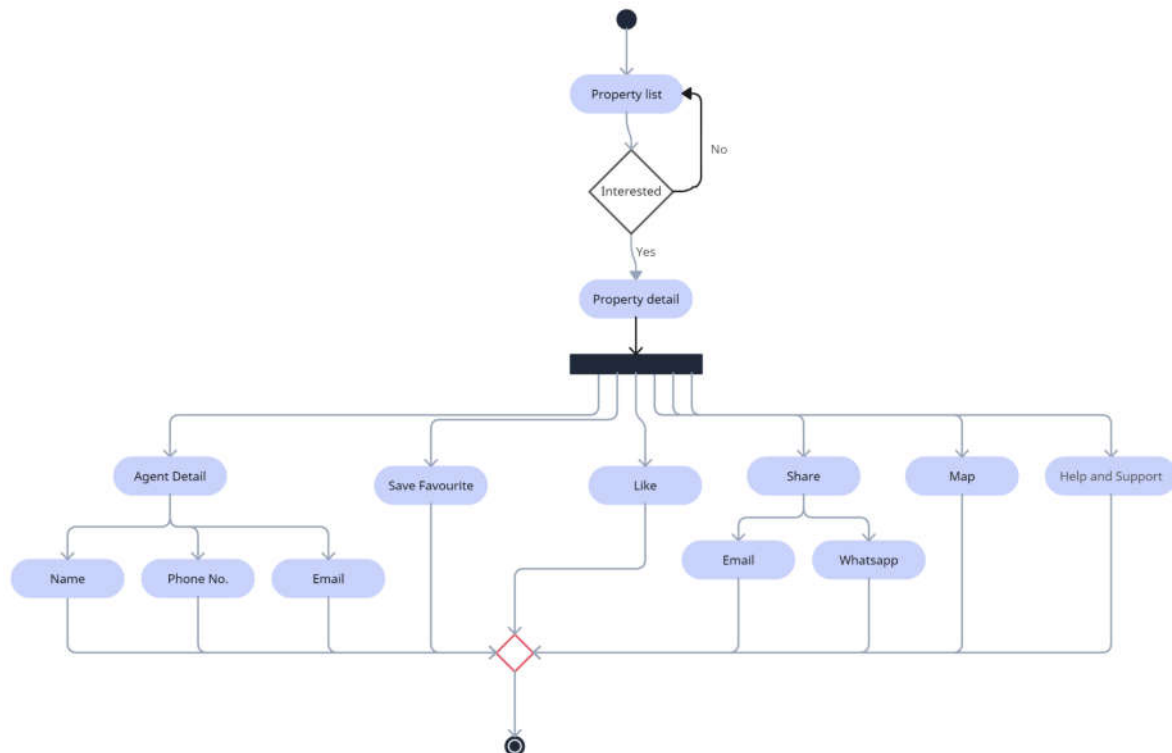
Sprint 5: Help & Support (0.5 Week)
- Activities:
  ➢ Design and implement Help feature.
  ➢ Establish contact options for customer support.
- Actions:
  ➢ Design UI for help feature.
  ➢ Implement notification customization features.
  ➢ Set up options for customer support.
- Conditions:
  ➢ Functional support options.
- Diagram:
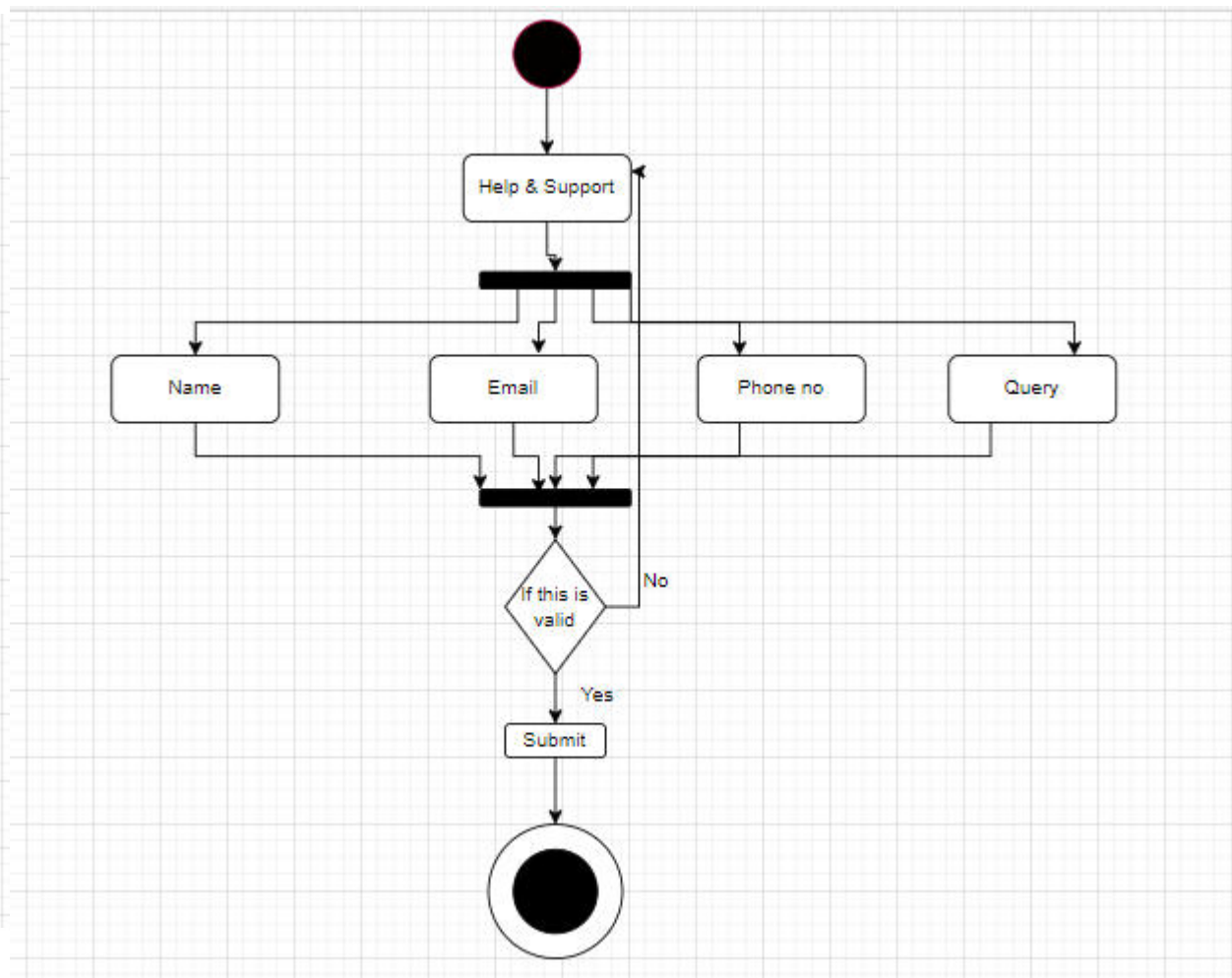
Sprint 6: Testing and Optimization (1 Week)
- Activities:
  - ➢ Conduct thorough testing of the entire application.
  - ➢ Identify and address any bugs or issues.
  - ➢ Optimize the app for performance and scalability.
  - ➢ Perform user acceptance testing (UAT).
- Actions:
  - ➢ Run automated and manual tests.
  - ➢ Address any bugs or performance bottlenecks.
  - ➢ Optimize database queries and frontend code.
  - ➢ Involve users in UAT to gather feedback for final refinements.
- Conditions:
  - ➢ A well-tested, optimized, and bug-free application.
- Diagram:
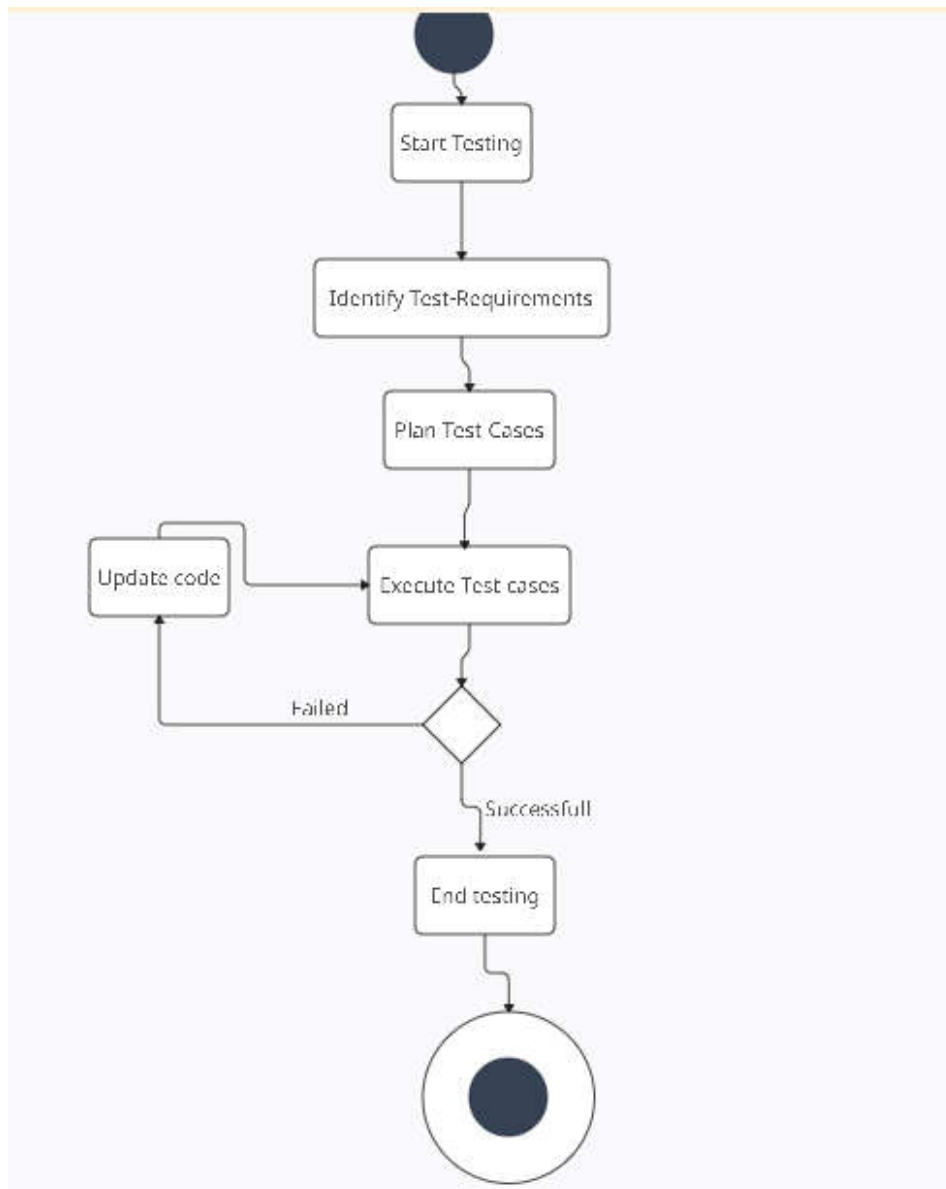
Sprint 7: Deployment and Launch (1 Week)
- Activities:
  - ➢ Prepare for the app's deployment to production servers.
  - ➢ Conduct final performance tests.
  - ➢ Set up monitoring and error tracking.
  - ➢ Plan and execute the official launch.
- Actions:
  - ➢ Configure production servers and databases.
  - ➢ Perform load testing and monitor server performance.
  - ➢ Implement error tracking systems.

➢ Plan a marketing campaign for the app's launch.
- Conditions:
    - ➢ A successfully deployed and launched application.
- Diagram:

```
                    ( Start Deployment )
                            │
                   [ Start Deployment ]
                            │
                  [ Configure infrastructure ]
                            │
                    [ Deploy software ]
                            │
                    [ Test Deployment ]
                            │
                [ Finalize Configuration ]
                            │
                      [ Launch ]
                            │
                  [ End Deployment ]
                            │
                      ( ● End )
```