# Workshop 3
## Day 5 of 9 Fri 3/10/23

# Project Success Criteria:

| Frontend Track (CI/CD) | Backend Track (UI) |
|---|---|

**CodingRooms Link**

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*Containerization using Docker*

- Build an image
- Run a container using an image
- Build and run an application using multiple containers using docker-compose
- Deploy a working version of multi-container application

**Deployment (GitHub actions)**

- Create multiple workflows using Github actions demonstrating
  - Actions on specific pull requests/branches
  - Automated testing on specific branch updates
  - Conditional deployment on previous workflow success
    - Eg. Successfully merge to main if tests pass
  - Continuous deployment of application via Railway

- Effective use of a UI Library/Framework (React)
- Correct and effective implementation of a CSS Framework (Bootstrap, Material UI, Tailwind)
- Effective Routing with React Router, including correct use of nested routes
  - Including correct use of complex hooks - UseNavigate, useParams
- Effective use of a state-management tool (Context)
  - Including correct use of complex hooks - useContext, useReducer

**Advanced Skills Challenges -**
- Use nested routes to create a protected route
- Correct and effective use of useQuery hook
- Effective use of a state-management tool (Redux)
  - Including correct use of complex hooks - useDispatch, useSelector
- Correct use of advanced hooks

## *AM schedule*
*[Zoom Link here](#) - Jonathan's Zoom Room*
*(EST 11:30 am - 2:00 pm)*
*(CST 10:30 am - 1:00 pm)*
*(PHX local 09:30 am -12:00 pm)*

- ☐ **Huddle Content:**
  - ☐ Intros
  - ☐ Announcements
  - ☐ Agenda
  - ☐ Breakout Rooms
    - ☐ [Project Groups](#)
    - ☐ Project Build

## Lunch Break
**(EST 2:00 pm - 3:00 pm)**
**(CST 1:00 pm - 2:00 pm)**
**(PHX local 12:00 pm -1:00 pm)**

## *PM schedule*
*(EST 3:00 pm - 5:30 pm)*
*(CST 2:00 pm - 4:30 pm)*
*(PHX local 1:00 pm -3:30 pm)*

### Project Group Work
*(EST 3:00 pm - 5:00 pm)*
*(CST 2:00 pm - 4:00 pm)*
*(PHX local 1:00 pm -3:00 pm)*

- ☐ Breakout Rooms
    - ☐ Continue Project Build
- ☐ Check-ins

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## End of Day
*(EST 5:00 pm - 5:30 pm)*
*(CST 4:00 pm - 4:30 pm)*
*(PHX local 3:00 pm -3:30 pm)*

- ☐ **Work Completion for today**
- ☐ Check-ins

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