Mobile

Considerations for mobile

- Native or web app?
- Offline requirements
- Layout considerations

Native vs. web applications

- Native app: full access to device hardware, separate versions per platform
- Web app: same app on all devices, everyone running latest version
- App store vs. running internally

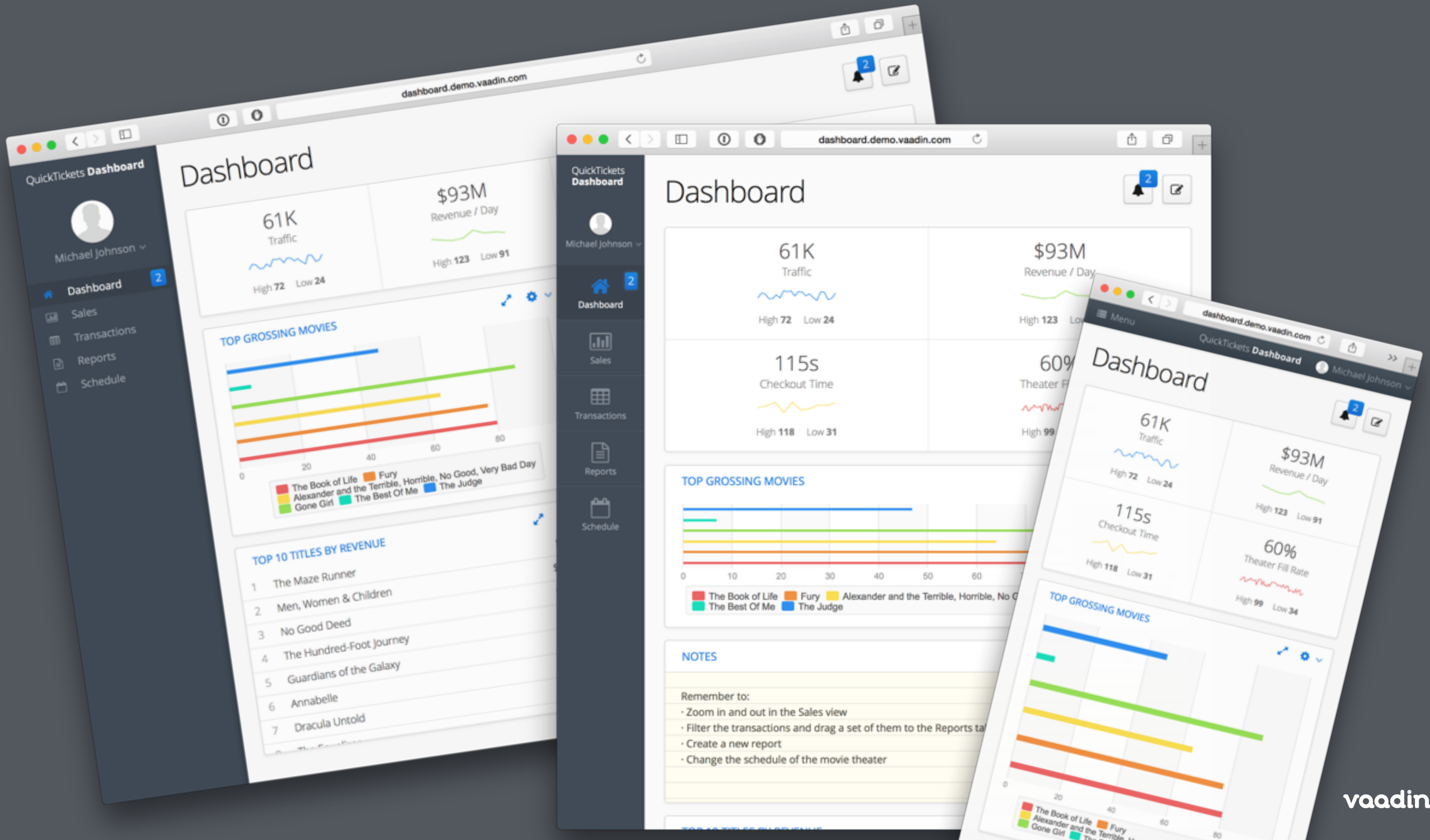
Offline considerations

- Does the application need to work offline?
- Is it OK if only some core functionality works offline?

Layout considerations

- Mobile devices have much smaller screens and are operated by a much larger pointer (finger)
    - Layout requirements are different
- Reactive layouts one alternative to provide optimal UX for all users while only maintaining one codebase

Reactive Layouts


QuickTickets Dashboard
Michael Johnson
Dashboard
Sales
Transactions
Reports
Schedule
dashboard.demo.vaadin.com
Dashboard
61K
Traffic
High 72 Low 24
$93M
Revenue / Day
High 123 Low 91
115s
Checkout Time
High 118 Low 31
60%
Theater Fill Rate
High 99 Low 34
TOP GROSSING MOVIES
The Book of Life
Fury
Alexander and the Terrible, Horrible, No Good, Very Bad Day
Gone Girl
The Best Of Me
The Judge
TOP 10 TITLES BY REVENUE
1 The Maze Runner
2 Men, Women & Children
3 No Good Deed
4 The Hundred-Foot Journey
5 Guardians of the Galaxy
6 Annabelle
7 Dracula Untold
NOTES
Remember to:
· Zoom in and out in the Sales view
· Filter the transactions and drag a set of them to the Reports ta
· Create a new report
· Change the schedule of the movie theater
Menu

vaadin

```
.v-ui[width-range~="0-800px"] {
  /* Styles for small devices */
}
.v-ui[width-range~="801px-"] {
  /* Styles for large devices */
}
```

OR

```
@Override
public void browserWindowResized(Page.BrowserWindowResizeEvent event) {
    if (event.getWidth() < LARGE_DEVICE_WIDTH) {
        buildLargeLayout();
    } else {
        buildSmallLayout();
    }
}
```