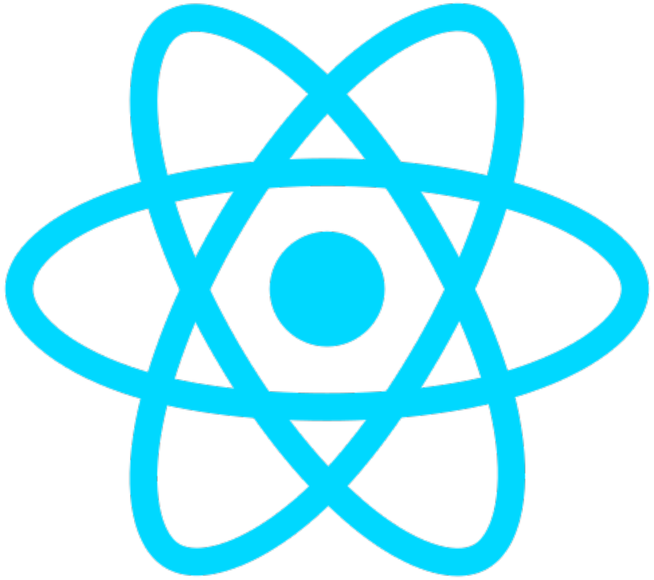

UPES
UNIVERSITY OF TOMORROW

React Native

Lecture 7: Layout with Flex box

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Cognition 4.0
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Microsoft
Technical Community

UPES MTC

Flexbox

- In React native flexbox is the default layout system for arranging components.
- Works similar to CSS Flexbox.
- Few differences from CSS Flexbox is that flexDirection defaults to column instead of row.

Flex

- Defines how a component grows or shrinks to fit available space.
- Flex: 1 makes component take all the space proportionally.
- Negative Values are Invalid.

flexDirection

- Determines primary axis of the layout.

- Row
- Column
- Row-reverse (Row starts but from Last to First)
- Column-reverse (Column start but from Last to First.)

justifyContent

- Align Children along Primary Axis.

- Flex-start (default)
- center
- flex-end
- Space-between
- Space-around
- Space-evenly

alignItems

- Aligns children along the cross axis.

- Strech (default)
- Flex-start
- Center
- Flex-end
- Baseline

flexWrap

- Controls whether children wrap next line/column. Instead of disappearing.

- Nowrap (default)
- Wrap
- Wrap-reverse

alignSelf

- Overrides alignItems for a specific child.

- — Same as alignItems

flexGrow,flexShrink,flexBasis

- Fine grain control over flex behavior.

- flexGrow: How much a component grows.
- flexShrink: How much a component shrinks.
- flexBasis: Initial size before growing/shrinking.

Final Note

- Use with gaps to add spacing between items.
- Avoid over nesting of View component as it can slow the rendering.
- Test Both on IOS and Android before publishing as rendering may vary.

Thank You !