Given screen coordinates, BlockIndex finds keys for intersecting blocks.

BlockKey used to look up block data in cache or DB.

BlockKey
- trackUuid
- sequence
- strand
- start
- end
- firstRowId
- lastRowId

Block
- sequence
- strand
- start
- end

Feature
- sequence
- strand
- start
- end

Cache

DB

Dataset
- name
- length

Sequence
- name
- uuid

Track
- name
- uuid

Feature
- LabeledFeature
- QuantitativeFeature
- GeneFeature
- NestedFeature

BlockIndex

TrackRenderer
- GeneRenderer
- ScalingRenderer
- HeatmapRenderer

Specialized track renderers draw the visual representation of each track onto the viewing area.

Data flow shown as blue arrows...