User will build and own patterns for their own library. Eventaully, I would like to allow users to find patterns on sites like Ravelry or exchange patterns with other users.

NOTE:

I may decide to

add one or two basic patterns

as defaults. If I don't, this is a composition

relationship.

User

- patterns: List<Pattern>

Pattern

- + id: long {readOnly}
- + name: String
- rows: List<Row>
- currentRow: Row
- clear () : void
- addRow ():

A knitting pattern is made up of rows. These rows change from row to row and from pattern to pattern.

Row

- + id: long {readOnly}
- + stitches: List<Stitch> {readOnly}
- clear() : void
- add(): Completable

A row from a knitting pattern is made up of stitches. There are thousands of thousands of stitches and the combination of different types of stitches is what makes knitted items so different from woven fabric.

Stitch <<enum>>

- name: String {readOnly}
- image: Drawable {readOnly}
- add(): Completable