+---------------------+

| User |

+---------------------+

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| Registers

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V

+------------------------+ +------------------------+ +------------------------+

| Own Creations | | Browse Designs | | Liked Designs |

+------------------------+ +------------------------+ +------------------------+

| + Create New Design | | + View Design Details | | + Remove Design from |

| + Edit Existing Design | | + Sort Designs | | Liked Designs |

| + Delete Design | | + Search Designs | | + View Design Details |

| + Set Design Price | | + Like Design | +------------------------+

| + Set Difficulty Level | | + Buy Design |

| + Add Payment Card | | + Write Design Reviews |

| + Define Stitch Types |

| + Define Stitch Rows |

| + Add Pictures |

| + Add Text Boxes |

+------------------------+

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| Card Payment | | Voucher Payment |

+------------------------+ +------------------------+

| + Pay with Card | | + Pay with Voucher |

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| --- | --- | --- |
|  |  |  |

Text

Description automatically generated

Registration:

* Create a registration page
* Implement a unique username and password selection
* Validate the registration input

Main page:

* Create a main page
* Display 'own creations' designs created by the user
* Implement a '+ icon' to create a new design
* Implement a 'browse designs' button
* Display 'liked designs' at the bottom of the page
* Make all lists searchable by design name

Own creations:

* Create a 'create new design' page
* Prompt the user to name the design
* Allow the designer to set the price and difficulty level
* Implement a card for payments
* Allow the user to define types of stitches with abbreviation and description
* Implement the first row of the project by typing the abbreviated stitch
* Calculate and display total number of stitches per row
* Allow the user to recolor each stitch
* Allow the user to copy/paste parts of the design
* Allow the user to insert pictures and text boxes
* Implement a checkbox to make the pattern public
* Implement private design visibility to only the creator

Browse designs:

* Create a 'browse designs' page
* Allow browsing of all public designs
* Allow the user to like a pattern
* Change the heart icon to red for liked patterns
* Implement sorting by rating, number of likes, price or difficulty level
* Implement sorting both ascending and descending
* Allow the user to read the ratings from other buyers of a design
* Implement a 'buy design' button
* Send the buyer to the 'buy design' page once clicked

Buy Designs:

* Create a 'buy design' page
* Prompt the user to decide the payment method (card or voucher)
* Implement a card payment option
* Implement a voucher payment option
* Validate the payment input
* Add the purchased design to the user's account

Liked Designs:

* Create a 'liked designs' page
* Allow the user to unlike a pattern
* Display a confirmation window before removing the pattern from the list
* Decrease the number of likes for the unliked pattern
* Allow the user to write reviews for purchased patterns

User Access:

* Implement user access control for bought or created designs
* Allow users to write reviews for patterns they have purchased