

PLASMIDS E-COMMERCE PLATFORM

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Search Functionality

Vector type

Species of gene

Expression system

Filters

Empty backbone

Encodes one insert

Encodes multiple inserts

Resistance marker

Bacterial resistance

Plasmid Details

Name

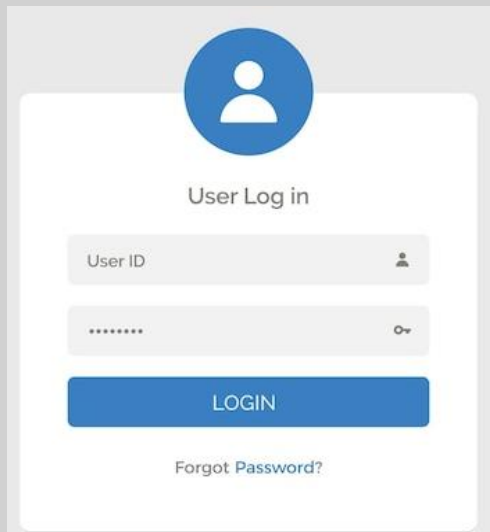
Sequence

Specifications(Gene/insert,
growth, ... information)

Image/Interactive map
(SnapGene viewer)

User Accounts

- **Registration / Login:** save favorites, track purchases, place orders
- **User dashboard:** manage orders, view past purchases, access saved plasmids



A screenshot of a user login interface. At the top is a blue circular icon with a white person silhouette. Below it is the text "User Log in". There are two input fields: the first is labeled "User ID" and the second contains a masked password "*****". Below the fields is a blue "LOGIN" button. At the bottom, there is a link that says "Forgot Password?".

Order Management

- **Order history:** users can view and track past orders.
- **Order tracking:** provide a status update for each order



Shopping Cart

- **Add plasmids to the cart for bulk ordering**
- **Display the cart's content:** with the possibility to add, modify quantities or remove items.



Payment Gateway

- **Implement a secure payment system**
- **Display websites to buy the desired plasmid:** with the price and protocols of use

Thermo
SCIENTIFIC



SIGMA-ALDRICH



addgene
The nonprofit plasmid repository

Sequence Analysis Tools

- **Analyzing tools** for the plasmid sequence.
- **Restriction Site Analysis**



Plasmid builder

- **Interactive tool.**
- Drag genetic elements (promoters, genes, tags...).
- Create a customized plasmid (from the available catalog).
- Offer real time feedback on the compatibility of parts.

