**GUI Design for AIMS Application**

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# **1. FIGMA LINK**

Cho 3 UseCase chính ta có các màn hình tương ứng như sau:

- Màn hình chính (Home Screen): <https://www.figma.com/design/4c65IYNpaEMvIKP8AxVFhu/Aims-Project?node-id=3-16&t=3xDbwOi5ImnUThyO-1>

- Màn hình giỏ hàng (Cart Screen): <https://www.figma.com/design/4c65IYNpaEMvIKP8AxVFhu/Aims-Project?node-id=4-364&t=3xDbwOi5ImnUThyO-1>

- Màn hình đặt hàng (Place Order Screen):

<https://www.figma.com/design/4c65IYNpaEMvIKP8AxVFhu/Aims-Project?node-id=4-364&t=3xDbwOi5ImnUThyO-1>

- Màn hình cho đặt hàng nhanh (Place Rush Order Screen):

<https://www.figma.com/design/4c65IYNpaEMvIKP8AxVFhu/Aims-Project?node-id=4-364&t=3xDbwOi5ImnUThyO-1>

- Màn hình thanh toán (Pay Order Screen):

<https://www.figma.com/design/4c65IYNpaEMvIKP8AxVFhu/Aims-Project?node-id=4-364&t=3xDbwOi5ImnUThyO-1>

Từ đó, ta có transition diagram:

<https://www.figma.com/design/4c65IYNpaEMvIKP8AxVFhu/Aims-Project?node-id=10-939&t=3xDbwOi5ImnUThyO-1>

A diagram of a screen

Description automatically generated

# **2. SCREEN SPECIFICATION**

2.1. Home Screen

Screen specification:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| AIMS Software | | Date of creation | Approve d by | Reviewe d by | Persio n in charge |
| Screen specification | Home Screen | 29/10/2024 |  |  | Vũ Đức Mạnh |
|  | | Control | Operation | Function | |
| Area | Initial | Display header, category, item list | |
| Navigation Button | Click | Navigate page to home screen, cart screen | |
| Add to Cart Button | Click | Add product to cart | |
| Search | Input field | Search item | |

Field attributes:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Screen name | Home |  |  |  |
| Item name | Number of digit (bytes) | Type | Field attribute | Remarks |
| Search value | 50 | Character | Black | Center justified |

2.2. Cart Screen

Screen specification:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| AIMS Software | | Date of creation | Approve d by | Reviewe d by | Persio n in charge |
| Screen specification | Cart Screen | 29/10/2024 |  |  | Vũ Đức Mạnh |
|  | | Control | Operation | Function | |
| Area | Initial | Display header, layout, item cart list | |
| Navigation Button | Click | Navigate page to home screen | |
| Open Popup Button | Click | Open Place order popup | |
| Open Popup Button | Click | Open Place rush order popup | |
| Modify field | Input field | Modify the number of products in cart | |
| Delete | Click | Remove item from cart | |

Field attributes:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Screen name | Home |  |  |  |
| Item name | Number of digit (bytes) | Type | Field attribute | Remarks |
| Subtotal | 10 | Numeral | Blue | Right justified, larger than zero |
| Total price | 11 | Numeral | Blue | Right justified, larger than zero |

2.3. Place Order

Screen specification:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| AIMS Software | | Date of creation | Approve d by | Reviewe d by | Persio n in charge |
| Screen specification | Cart Screen | 29/10/2024 |  |  | Vũ Đức Mạnh |
|  | | Control | Operation | Function | |
| Area | Initial | Display header, layout, Rush Order popup | |
| Navigation Button | Click | Navigate page to invoice screen | |
| Close Popup Button | Click | Close Rush order popup | |
| Checkbox button | Click | Checkbox to switch open/close rush order pop up | |
| Input | Input field | Input field for name, address, phone number, hours, minutes | |

Field attributes:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Screen name | Home |  |  |  |
| Item name | Number of digit (bytes) | Type | Field attribute | Remarks |
| Name | 10 | Numeral | White | Left justified, blank can not be first, at least 3 characters, alert when error |
| Phone number | 11 | Digit | White | Left justified, must from 0 to 24, alert when error |
| Address | 50 | Character | White | Left justified, must from 0 to 24, alert when error |
| Hour | 2 | Numeral | White | Left justified, must from 0 to 24, alert when error |
| Minute | 2 | Numeral | White | Left justified, must from 0 to 60 and 0 to 30 if hour equal to 0, alert when error |
| Subtotal | 10 | Numeral | White | Right justified, larger than zero |
| Shipping | 5 | Numeral | White | Right justified, larger than zero |
| Total price | 11 | Numeral | White | Right justified, larger than zero |

2.4. Place Rush Order

Screen specification:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| AIMS Software | | Date of creation | Approve d by | Reviewe d by | Persio n in charge |
| Screen specification | Cart Screen | 29/10/2024 |  |  | Vũ Đức Mạnh |
|  | | Control | Operation | Function | |
| Area | Initial | Display header, layout, Rush Order popup | |
| Navigation Button | Click | Navigate page to invoice screen | |
| Close Popup Button | Click | Close Rush order popup | |
| Checkbox button | Click | Checkbox to switch open/close rush order pop up | |
| Input | Input field | Input field for name, address, phone number, hours, minutes | |

Field attributes:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Screen name | Home |  |  |  |
| Item name | Number of digit (bytes) | Type | Field attribute | Remarks |
| Name | 10 | Numeral | White | Left justified, blank can not be first, at least 3 characters, alert when error |
| Phone number | 11 | Digit | White | Left justified, must from 0 to 24, alert when error |
| Address | 50 | Character | White | Left justified, must from 0 to 24, alert when error |
| Hour | 2 | Numeral | White | Left justified, must from 0 to 24, alert when error |
| Minute | 2 | Numeral | White | Left justified, must from 0 to 60 and 0 to 30 if hour equal to 0, alert when error |
| Subtotal | 10 | Numeral | White | Right justified, larger than zero |
| Shipping | 5 | Numeral | White | Right justified, larger than zero |
| Total price | 11 | Numeral | White | Right justified, larger than zero |

2.5. Invoice Screen

Screen specification:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| AIMS Software | | Date of creation | Approve d by | Reviewe d by | Persio n in charge |
| Screen specification | Cart Screen | 29/10/2024 |  |  | Vũ Đức Mạnh |
|  | | Control | Operation | Function | |
| Area | Initial | Display header, layout, item list, delivery form | |
| Navigation Button | Click | Navigate page to home screen, cart screen, user screen, payment screen | |
|  |  |  | |
|  |  |  | |

Field attributes:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Screen name | Home |  |  |  |
| Item name | Number of digit (bytes) | Type | Field attribute | Remarks |
| Name | 20 | Character | White | Left justified |
| Phone number | 11 | Digit | White | Left justified |
| Address | 50 | Character | White | Left justified |
| Subtotal | 10 | Numeral | White | Right justified |
| Shipping | 2 | Numeral | White | Right justified |
| Total price | 11 | Numeral | White | Right justified |
| Media title | 50 | Character | Black | Left justified |
| Media category | 20 | Character | Black | Left justified |
| Media quantity | 2 | Numeral | Black | Larger than zero |
| Media price | 5 | Numeral | Black | Larger than zero |

2.6. Pay Order

Screen specification:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| AIMS Software | | Date of creation | Approve d by | Reviewe d by | Persio n in charge |
| Screen specification | Cart Screen | 29/10/2024 |  |  | Vũ Đức Mạnh |
|  | | Control | Operation | Function | |
| Area | Initial | Display payment form | |
| Navigation Button | Click | Navigate page to invoice screen, result screen | |
| Input | Input field | Input field for card name, card number, month, year and CVC | |
|  |  |  | |

Field attributes:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Screen name | Home |  |  |  |
| Item name | Number of digit (bytes) | Type | Field attribute | Remarks |
| Card name | 20 | Character | Black | Left justified, blank can not be first, at least 3 characters, alert when error |
| Card number | 16 | Digit | Black | Left justified, must be 16 digits, alert when error |
| Month | 2 | Digit | Black | Left justified, must be from month 01 to 12, alert when error |
| Year | 2 | Digit | Black | Left justified, must be larger than the last two digits from current year, alert when error |
| CVC | 3 | Digit | Black | Left justified, must be 3 digits, alert when error |