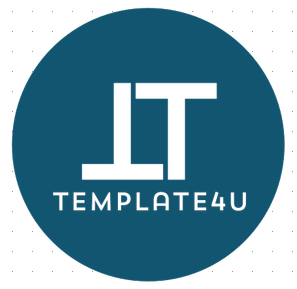
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**Template4u**

**Company description**

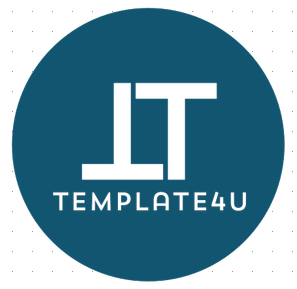
Our company will sell website templates.

|  |  |
| --- | --- |
| Oder | Jakub Zarzycki |
| Staff | Alex Longhurst |
| Customers | Patryk Wegrzynski |
| Products list | Dawid Malecki |
| Template reviews | Dominik Michalski |

**System Overview**

This company will sell website templates to the general public. They can order an already created design which they can use to form their own webpage. They can browse and filter this available collection of webpage designs. There will be an option for customers to add their web page templates to a shopping cart and create an order. After having made an order, the customer can leave a review for the template. They will then be required to create a customer account where they specify payment and personal details. They will also be able to review and validate the orders in their shopping cart.

Once an order is created by the customer it will be added to a list of orders for processing at the back end. The back end will allow for a range of admin functions such as managing customer data, staff data, stock and running various reports on data stored in the system e.g. orders placed.

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**Template4u**

**Allocated Component:** Order

**Developer:** Jakub Zarzycki

**Overview:**

This component is created for the Administrator, so it is easier for him/her to handle orders. Administrator has the option to list all the orders that are currently in the database. He/She, can find a particular order using OrderId and can also update it or remove it. Moreover, Administrator is able to add new orders. He/She can filter and sort orders by a given predicate. This component is also available for user. User can add and edit his orders.

**Oder Table design:**

OrderId Int Primary Key

CustomerId Int Foreign key

OrderLineId Int Foreign key

PromoCode Text

DatePlaced Date

IsCompleted Boolean

**Use cases:**

|  |  |
| --- | --- |
| Use Case Name (Short two or three word name) | Add order |
| Use Case Description (Short description) | Administrator/user adds an order to the list. |
| Use Case Author(s) (Who wrote this) | Jakub |
| Actor(s) (Who does this) | Administrator/user |
| Locations (Where does this happen) | Front and back end functionality |
| Primary pathway (What is the normal “happy path” for this use case?) | Add order  Administrator/user adds an order to the database.  An order is added to the order collection. |
| Alternate pathways (What other paths are there that are not the “happy path”?) | Some required fields are missing- an error is displayed saying so.  Invalid data is entered and an error appears. |
| Exception pathways (What could possibly go wrong?) | Database connection fails  Error displayed advising of connection problem |

|  |  |
| --- | --- |
| Use Case Name (Short two or three word name) | List orders. |
| Use Case Description (Short description) | Administrator views a list of orders in the database. |
| Use Case Author(s) (Who wrote this) | Jakub |
| Actor(s) (Who does this) | Administrator |
| Locations (Where does this happen) | Front and back end functionality |
| Primary pathway (What is the normal “happy path” for this use case?) | Open list of orders.  Administrator clicks on the list orders button.  A list of orders in the database is displayed to the Administrator. |
| Alternate pathways (What other paths are there that are not the “happy path”?) | Order list is empty – a message is displayed saying so. |
| Exception pathways (What could possibly go wrong?) | Database connection fails  Error displayed advising of connection problem |

|  |  |
| --- | --- |
| Use Case Name (Short two or three word name) | Remove order |
| Use Case Description (Short description) | Admin removes order from the order collection. |
| Use Case Author(s) (Who wrote this) | Jakub |
| Actor(s) (Who does this) | Administrator |
| Locations (Where does this happen) | Front and back end functionality |
| Primary pathway (What is the normal “happy path” for this use case?) | Remove order  Administrator removes order from the order list.  Order is removed from the list of orders in order collection. |
| Alternate pathways (What other paths are there that are not the “happy path”?) | There’s no such order in the database – an error is displayed. |
| Exception pathways (What could possibly go wrong?) | Database connection fails  Error displayed advising of connection problem |

|  |  |
| --- | --- |
| Use Case Name (Short two or three word name) | Edit Order |
| Use Case Description (Short description) | Administrator/user edits an order |
| Use Case Author(s) (Who wrote this) | Jakub |
| Actor(s) (Who does this) | Administrator/user |
| Locations (Where does this happen) | Front and back end functionality |
| Primary pathway (What is the normal “happy path” for this use case?) | Update Order  Administrator/user finds an order by its id and edits it. |
| Alternate pathways (What other paths are there that are not the “happy path”?) | Invalid data is entered and an error appears.  Invalid id, there is no such order, an error appears.  Some required fields are missing- an error is displayed saying so. |
| Exception pathways (What could possibly go wrong?) | Database connection fails  Error displayed advising of connection problem |

|  |  |
| --- | --- |
| Use Case Name (Short two or three word name) | Filter orders |
| Use Case Description (Short description) | Administrator filters the order collection using a predicate. |
| Use Case Author(s) (Who wrote this) | Jakub |
| Actor(s) (Who does this) | Administrator |
| Locations (Where does this happen) | Front and back end functionality |
| Primary pathway (What is the normal “happy path” for this use case?) | Filter orders  Administrator views a list of orders filtered by a given predicate. |
| Alternate pathways (What other paths are there that are not the “happy path”?) | Invalid data is entered as a predicate and an error appears.  Order list is empty, an error appears. |
| Exception pathways (What could possibly go wrong?) | Database connection fails  Error displayed advising of connection problem |

|  |  |
| --- | --- |
| Use Case Name (Short two or three word name) | Sort orders |
| Use Case Description (Short description) | Administrator sorts the order collection using a predicate. |
| Use Case Author(s) (Who wrote this) | Jakub |
| Actor(s) (Who does this) | Administrator |
| Locations (Where does this happen) | Front and back end functionality |
| Primary pathway (What is the normal “happy path” for this use case?) | Sort orders  Administrator views a list of orders sorted by a given predicate. |
| Alternate pathways (What other paths are there that are not the “happy path”?) | Invalid data is entered as a predicate and an error appears.  Order list is empty, an error appears. |
| Exception pathways (What could possibly go wrong?) | Database connection fails  Error displayed advising of connection problem |

**Use case diagram:**