

# HAKEEM CUSTOM PRESCRIPTION MODULE (version 1.1)

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## 1. Introduction:

- HAKEEM is an optical eyewear website. In that we are going to create custom prescription module for Eyeglasses, sunglasses and contact lenses.

## 2. Categories:

HAKEEM (website) provides prescription categories to eyeglasses, sunglasses and contact lenses, for customer to select and add lenses as per there requirements.

### 2.1 Eyeglasses:

- In Eyeglasses categories customer have choice to select three special attribute which is
  - 1.FF (Full Frame)
  - 2.HF (Half Frame)
  - 3.FL (Full Length)
- After customer selects frame attribute as per requirement website will redirect to product listing page.
- Eyeglasses categories provides customer to add features for glasses like color, frame shape, frame material, brand etc.
- Product listing page provide various option of filter on left hand side. after applying filter customer will get required choice of product.
- On a product listing page customer select eyeglasses frame as per there choice and requirement.
- After selecting eyeglasses frame, customer will redirect to product detail page.
- This page details out the product specification based on the information added from backend.
- This page displays the Eyeglasses images, title, descriptions, attributes, and price.
- Also provide “call eye specialist” option for customer.
- After selecting lens features customer click on “add lenses” button.
- After clicking add lenses button customer have two choice of selection 1. Select power lenses 2. Without power lenses.
- Adding lens is not mandatory for customer. Customer can do checkout as well.

- For without power lenses Customer select lens features like ultraviolet, blue light, transitions etc.
- For power lenses customer choose lens type (single vision, bifocal, reading, progressive), select lens brand (Hakeem lens, ziss, Essilor) and insert lens details.
- For adding lens detail prescription box will be display on PDP.
- Prescription box will provide dropdown value for spear, cylinder and axis.
- After selecting spear, cylinder, axis value index will be calculated.

### 2.1.1 Add Lenses:

- Website will provide add lenses button, after clicking “add lenses” button on a PDP page customer have option to select lens type and lens brand.
- for select “lens type” client provide 1. Single vision 2. Bifocal 3. Reading 4. Progressive lens type.
- for select “lens brand” client provide 1. Hakeem lens 2. Ziss 3. Essilor brands.
- As per brand selection price will be change and for every brand, we need to store different price value table provided by client.
- After selecting lens type and lens brand of eyeglasses customer get an option to insert lens detail.
- This lens detail box contains prescription details like spear, cylindrical, axis values. Axis value is in between (0 to180). Customer enter spear, cylinder and axis values for both OD (right) and OS (left).
- After adding spear, cylindrical value backend will calculate the index value.

	SPH	CYL	AXIS
OD (Right)	+2.00 ▾	+2.25 ▾	7 ▾
OS (Left)	+2.00 ▾	+2.25 ▾	7 ▾

### 2.1.2 Calculate Index:

For index calculation we need **Total value** and **spear value**.

Total value is nothing but addition of spear and cylinder value.

- **Total value:**

For calculating Total value, we are adding spear and cylinder value.

For Example: spear = 1.5, cylinder= -0.75 then

**Total Value = Spear + Cylinder**

Total Value=  $1.5 + (-0.75) = 0.75$

Total Value equals to 0.75 for above example. Like that we need to calculate and stored in backend.

- Customer add spear and cylinder value in prescription box.
- By taking this two-value from customer, admin will calculate the Total value.
- and compare both value (Total value and spear value) and provide index value.

Index	Total	Spear
1.5	(-4+4)	0--3
1.54	(-4+4)	
1.56	(-4+4)	0++5
1.53	(-4+4)	0++4

1.6	(-3-8-- +3+6)	3.25++6
1.59	(-3-8-- +3+6)	0++6

167	(-4-10-- +4+8)	5++8
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174	(-6-14-- +6+10)	8++10
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For example:

- 1.Total value is in between (-4 +4) and spear is in range (0 to 3) then index will be 1.5.
2. If total value is 3.5 which is in between range of (-4 +4) and spear value is 3.25 then index selected for total value and spear value is 1.56, 1.6.

- as per data provided by client will be stored on backend.
- after calculating index, maximum three index value will be store on backend.
- admin select Higher index value on that basis price of product will be calculated.
- For price we are selecting index value and cylinder value range.
- Every brand has different price, so we need to add separate price excel sheet data for each brand in backend for mapping.
- as per range of cylinder value and index value, product price will be update.

index	<0>2	<2>4	<4>6
1.5	160	190	220
1.54			
1.56	180	210	240
1.53	200	230	260
1.6	260	290	320
1.59	250	280	310
1.67	360	390	420
1.74	460	490	520

- For example, index value will be selected 1.5 and cylinder value in between (2 to 4) then as per data provided by client in excel sheet price will be 190.
- For index and price, we have taken value from client excel sheet data.

### 2.1.3 Additional Feature:

After selection on additional feature of lenses on that basis system are recalculated price and final price will display on add to cart page.

For Eyeglasses we provide ultraviolet, blue light, transition lens feature and sunglasses we provide color lens like brown, grey, green.

#### 2.1.4 Add to cart:

- on add to cart page, frame price and lens price separately display, and final subtotal value will be calculating by adding frame price and lens price.
- Total price of eyeglasses will be the addition of Frame price and lens price.
- In add to cart page we will provide view prescription button for customer.
- After Add to cart customer will redirect to checkout page.

#### 2.1.5 Checkout:

- Adding lens is not mandatory for customer so that customer have option to directly checkout after selecting glass frame by their choice.
- On checkout page customer have option to view cart after confirmation customer add address and redirect towards payment option.
- Payment option provide various payment method like 1. Credit card 2. Apple pay 3. pay at our stores 4. Pay upon deliver 5. STC pay.
- After selecting payment method and adding payment detail customer successfully place order.
- Checkout page also provide skip to checkout option for customer.
- After selecting skip to checkout option customer redirect towards "Test your vision" category.

### 2.2 Sunglasses:

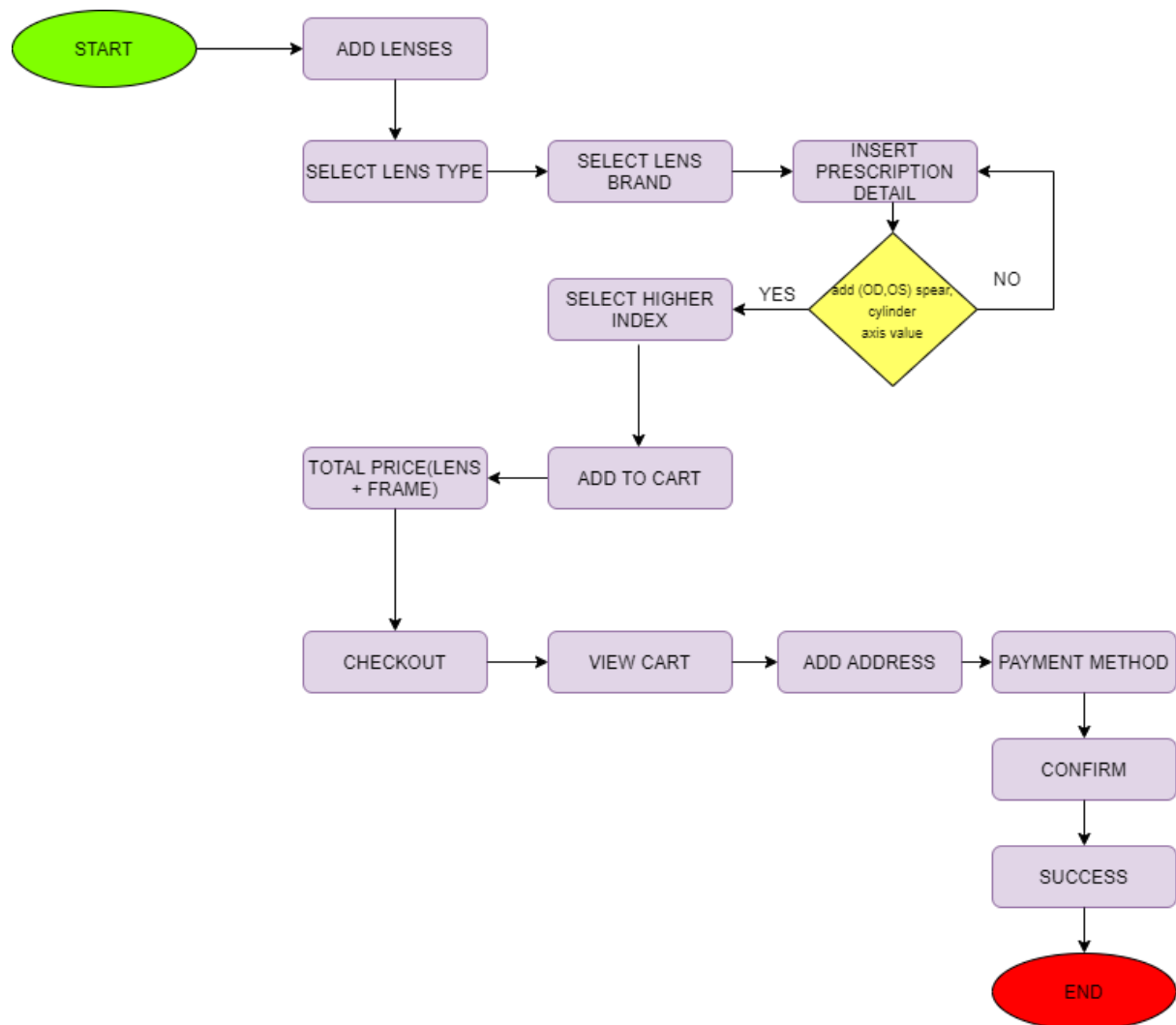
- Sunglasses categories provides customer to add features for sunglasses like color, frame shape, frame material, brand etc.
- Product listing page provide various option of filter on left hand side. After applying filter customer will get required choice of product.
- On a product listing page customer select sunglasses frame as per there choice and requirement.
- After selecting sunglasses frame, customer will redirect to product detail page.
- This page details out the product specification based on the information added from backend.
- This page displays the sunglasses images, product title, descriptions, attributes, and price.
- PDP page also provide "call Eye specialist" option for customer convenience.
- Customer select the lens feature for sunglasses like 1. Grey 2. Brown 3. Green
- After selecting lens features customer click on "add lenses" button.

- And Enter your prescription will be display on PDP.
- Prescription box will provide dropdown value for spear, cylinder and axis.
- After selecting value, index will be calculated.
- Admin select higher index value and mapped with cylinder value on that basis price will be display on add to cart page.
- After that customer will redirect towards checkout page.
- Flow of calculating index and add to cart will be the same as above.

## 2.3 Contact Lenses

- Customer select the contact lenses categories and website will redirect to product listing page.
- On a product listing page customer select contact lens as per there choice and requirement.
- After selecting contact lens customer redirect to product display page.
- This page details out the product specification based on the information added from backend.
- This page provides to select prescription box in this box customer add the spear, cylinder and axis value.
- After calculating index system will select Higher index value and display on page.
- Customer select Higher index value and continue with add to cart page
- As per index value selected by customer admin will calculate price of contact lens and provide total price to customer.
- After that customer will redirect towards checkout page.
- Flow of calculating index and add to cart will be the same as above.

## 3.Functionality flow of Add Lenses:





Logo