Creating a Chrome extension to read cart details and favourites from a website involves several steps

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Here's a guide to get you started:

1. Set Up Your Project

1. **Create a new folder** for your extension.
2. **Inside the folder**, create the following files:

- `manifest.json`
- `background.js`
- `content.js`
- Optionally, `popup.html` and `popup.js` if you want a popup UI.

2. Define the Manifest

The `manifest.json` file tells Chrome about your extension, what it does, and what permissions it needs.

```
json
Copy code
{
"manifest_version": 3,
"name": "Cart and Favourites Reader",
"version": "1.0",
"description": "Reads cart details and favourites from a website.",
"permissions": [
"activeTab",
"scripting"
],
"background": {
"service_worker": "background.js"
},
"action": {
"default_popup": "popup.html",
"default_icon": {
"16": "icons/icon16.png",
"48": "icons/icon48.png",
"128": "icons/icon128.png"
}
},
"content_scripts": [
{
"matches": ["<all_urls>"],
"js": ["content.js"]
}
]
}
```

3. Create the Background Script

The `background.js` file will handle events and messaging between the content script and the extension.

```
javascript
Copy code
chrome.runtime.onInstalled.addListener(() => {
console.log('Extension installed');
});
// Listen for messages from the content script
chrome.runtime.onMessage.addListener((request, sender, sendResponse) => {
if (request.action === "getCartDetails") {
// Handle cart details here
sendResponse({ cart: "Cart details data" });
} else if (request.action === "getFavourites") {
// Handle favourites here
sendResponse({ favourites: "Favourites data" });
}
});
```

4. Create the Content Script

The content.js file will interact with the web page to extract the cart and favourites details.

```
javascript
Copy code
// Function to get cart details
function getCartDetails() {
let cartDetails = {}; // Extract cart details from the DOM
// Implement your logic to extract cart details from the page
return cartDetails;
}
// Function to get favourites
function getFavourites() {
let favourites = {}; // Extract favourites from the DOM
// Implement your logic to extract favourites from the page
return favourites;
}
// Listen for messages from the background script
chrome.runtime.onMessage.addListener((request, sender, sendResponse) => {
if (request.action === "getCartDetails") {
sendResponse(getCartDetails());
} else if (request.action === "getFavourites") {
sendResponse(getFavourites());
}
});
```

5. Optional: Create a Popup

If you want a popup interface, create popup.html and popup.js .

popup.html:

```
html
Copy code
<!DOCTYPE html>
<html>
<head>
<title>Cart and Favourites</title>
<style>
/* Add your styles here */
</style>
</head>
<body>
<h1>Cart and Favourites</h1>
<button id="cartButton">Get Cart Details</button>
<button id="favouritesButton">Get Favourites</button>
<div id="result"></div>
<script src="popup.js"></script>
</body>
</html>
```

popup.js:

```
javascript
Copy code
document.getElementById('cartButton').addEventListener('click', () => {
chrome.tabs.query({ active: true, currentWindow: true }, (tabs) => {
chrome.tabs.sendMessage(tabs[0].id, { action: "getCartDetails" }, (response) => {
document.getElementById('result').textContent = JSON.stringify(response);
});
});
});
document.getElementById('favouritesButton').addEventListener('click', () => {
chrome.tabs.query({ active: true, currentWindow: true }, (tabs) => {
chrome.tabs.sendMessage(tabs[0].id, { action: "getFavourites" }, (response) => {
document.getElementById('result').textContent = JSON.stringify(response);
});
});
});
```

6. Load the Extension into Chrome

1. Open Chrome and go to `chrome://extensions/` .
2. Enable "Developer mode" by clicking the toggle in the top right.
3. Click the "Load unpacked" button and select the folder containing your extension.

7. Test Your Extension

Navigate to a website where you want to test your extension. Click on the extension icon to open the popup and interact with it. The console will help you debug any issues.

This is a basic outline to get you started. Depending on the website structure and the specific data you need, you might need to adjust the content script logic to correctly extract the desired information.