Page title: url:

important_page_elements :

[<PageElement>]

description:

possible_actions : [Action]

You have graph made of Pages(Nodes) which contain list of PageElement
PageElement are various html elements that can exist on that page likes tables, forms, buttons, link etc.
PageElement would store details about the element, like for a table it might store the table header, table columns etc

Action(edge) help us transition from one page to another

Take an example of amazon.com and create this sort of graph manually.

Now when a user would ask question ex: I would like to find out what products are in my cart and if the value is less than 100 \$ buy it for me

We need to use this graph and generate the prompt for browser-use, which then would perform this action

You have to create this graph manually for now but we would be having a tool that would automatically be generating this graph by observing as the user is using a web application in this case amazon..com

Edge

Action

Name:

source_element : type_of_action :[click, enter, hover] description:

PageElement

type:[table, form, button, link, drop-down, calendar, text-box] identifier: description:

Example

Page(source)

url: amazon.com
important_elements:
[search_amazon_textbox,
 returns_orders_link,
count lists link, basket link, ...

returns_orders_link,
account_lists_link, basket_link, ...
description: main page of
amazon.com, where you can search
for products, you can go to basket or
cart, goto page which has your
current and past orders ...

Action name :

click_basket_button
element: basket_link
type: click
description: takes you to
page which has your
current basket

Page((target) url: https://www.amazon.co.uk/gp/cart/v iew.html?ref =nav cart important_elements: [shopping_basket_table, checkout_button] Description: This page shows you the products that are held in your cart

Page((target) url: https://www.amazon.co.uk/checkout/p sid

Action

element:

checkout_button

type: click

important elements:
[buy now button, ...]

Description: this page lets you buy the products in your cart
important_elements:
[shopping_basket_table, checkout_button]

Description: This page shows you the products that are held in your cart