

Task Description

You should implement a web service that helps others to convert Brandway.com links between mobile and web applications. Web applications use URLs and mobile applications use deeplinks. Both applications use links to redirect specific locations inside applications. When you want to redirect across applications, you should convert URLs to deeplinks or deeplinks to URLs.

Task 1 (Web URL to Deeplink)

Write an endpoint that converts web URLs to deeplinks.

- The endpoint should get a web URL and return a converted deeplink.
- You must store each request and response in persistent storage.
- You should design your table columns/document fields

1. Product Detail Page

`https://www.brandway.com/{BrandName-or-CategoryName}/{ProductName}-p-{ContentId}?boutiqueId={BoutiqueId}&merchantId={MerchantId}`

- Product detail page URL must contain "-p-" text.
- Product detail page URLs must contain contentId which is located after "-p-" prefix.
- URL can contain boutiqueId and merchantId.
- If URL doesn't contain boutiqueId, you shouldn't add CampaignId to deeplink
- If URL doesn't contain merchantId, you shouldn't add MerchantId to deeplink
- Deeplink and Web URL have differences on CampaignId and boutiqueId. Deeplinks have CampaignId, web URLs have boutiqueId.

2. Search Page

Search page URL must be converted to valid deeplinks.

- Search pages path must start with "/sr"
- "q" query parameters must be converted to Query deeplink parameter.
- Be careful with Turkish characters

3. Other pages

Other pages, which are not filtered as a search page or product detail page, must be converted as empty homepage deeplink.

EXAMPLES:

Request | <https://www.brandway.com/casio/saat-p-1925865?boutiqueId=439892&merchantId=105064>

Response | <bw://?Page=Product&ContentId=1925865&CampaignId=439892&MerchantId=105064>

Request | <https://www.brandway.com/casio/erkek-kol-saati-p-1925865>

Response | <bw://?Page=Product&ContentId=1925865>

Request | <https://www.brandway.com/casio/erkek-kol-saati-p-1925865?boutiqueId=439892>

Response | <bw://?Page=Product&ContentId=1925865&CampaignId=439892>

Request | <https://www.brandway.com/casio/erkek-kol-saati-p-1925865?merchantId=105064>

Response | <bw://?Page=Product&ContentId=1925865&MerchantId=105064>

Request | <https://www.brandway.com/sr?q=elbise>

Response | <bw://?Page=Search&Query=elbise>

Request | <https://www.brandway.com/Hesabim/Favoriler>

Response | <bw://?Page=Home>

Task 2 (Deeplink to Web URL)

Write an endpoint which converts deeplink to web URLs. The endpoint should get a web URL and return a converted deeplink.

- You will use rules which are explained in Task 2.
- You must store these requests and responses in persistent storage.
- You should design your table columns/document fields

EXAMPLES:

Request | <bw:///Page=Product&ContentId=1925865&CampaignId=439892&MerchantId=105064>

Response | <https://www.brandway.com/brand/name-p-1925865?boutiqueId=439892&merchantId=105064>

Request | <bw:///Page=Product&ContentId=1925865>

Response | <https://www.brandway.com/brand/name-p-1925865>

Request | <bw:///Page=Product&ContentId=1925865&CampaignId=439892>

Response | <https://www.brandway.com/brand/name-p-1925865?boutiqueId=439892>

Request | <bw:///Page=Product&ContentId=1925865&MerchantId=105064>

Response | <https://www.brandway.com/brand/namei-p-1925865?merchantId=105064>

Request | <bw:///Page=Search&Query=elbise>

Response | <https://www.brandway.com/sr?q=elbise>

Request | <bw:///Page=Favorites>

Response | <https://www.brandway.com>