                    The Create-Form and Edit-Form Link Relations
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Abstract

   RFC 5988 [RFC5988] defined the way of indicating resources on the
   Web. This specification defines link relation types which may be used
   to express the relationships between a resource and an input form for
   constructing data submissions.

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Table of Contents

1. Introduction

   RFC 5988 [RFC5988] defined the way of indicating resources on the
   Web. This specification defines link relation types which may be used
   to express the relationships between a resource and an input form for
   constructing data submissions.

   The "create-form" and "edit-form" link relations are intentionally
   generic, and they can be used with multiple media types in a wide
   variety of use cases.

2. Notational Conventions

   The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT",
   "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this
   document are to be interpreted as described in [RFC2119].

3. Link Relations

   The following link relations are defined.

3.1. The "create-form" Link Relation

   When included in a resource, the "create-form" link relation MAY
   identify a target resource that represents the form to append a new
   member to the link context.

   ```
   <html>
     <ul>
       <li>Entry Description 1</li>
       <li>Entry Description 2</li>
     </ul>
     <a href="..." rel="create-form">[Add New Entry]</a>
   </html>
   ```

   or, expressed as a Link header

   Link: <...>; rel="create-form"; title="Add New Entry"

3.1.1. Using the "create-form" Link Relation

   Target URI specified in the form representation MUST be used for
   submit requests. Context URI MUST be used otherwise.

   Request method specified in the form representation MUST be used for
   submit requests. HTTP's POST method MAY be used otherwise.

   A content type specified in the form representation MUST be used for

submitting requests, or otherwise, a content type defined in the
media type specification of a form MUST be used.

3.2. The "edit-form" Link Relation

When included in a resource, the "edit-form" link relation identifies
a target resource that represents the form for editing associated
resource.

```
<html>
 ...
 <ul>
   <li>
     Entry Description 1
     <a href="..." rel="edit-form">[Edit Entry]</a>
   </li>
 </ul>
 ...
</html>
```

or, expressed as a Link header

```
Link: <...>; rel="edit-form"; title="Edit Entry"
```

3.2.1. Using the "edit-form" Link Relation

Target URI specified in the form representation MUST be used for
submit requests. Context URI MUST be used otherwise.

Request method specified in the form representation MUST be used for
submit requests. HTTP's PUT method MAY be used otherwise.

A content type specified in the form representation MUST be used for
submitting requests, or otherwise, a content type defined in the
media type specification of a form MUST be used.

3.3. Error Handling Example

When submitting forms in unsupported media type format, service may
respond to the client with HTTP's 415 Unsupported Media Type status
code. See example below:

```
HTTP/1.1 415 Unsupported Media Type
Link: <...>; rel="create-form"; title="Create new entry"
Content-Type: text/html
Content-Length: ...

<html>
  Use <a href="..." rel="create-form">
    this form
  </a> to create a new entry.
</html>
```

4. IANA Considerations

   IANA is asked to register the "create-form" and "edit-form" link
   relations below as per [RFC5988].

4.1. The Link Relation Registration "create-form"

   Relation Name:

      create-form

   Description:

      The target IRI points to a resource where a submission form can be
      obtained.

   Security considerations:

      Automated agents should take care when this relation crosses
      administrative domains (e.g., the URI has a different authority
      than the current document).

   Reference:

      See Section 3.

4.2. The Link Relation Registration "edit-form"

   Relation Name:

      edit-form

   Description:

      The target IRI points to a resource where a submission form for
      editing associated resource can be obtained.

Security Considerations:

   Automated agents should take care when this relation crosses
   administrative domains (e.g., the URI has a different authority
   than the current document).

Reference:

   See Section 3.

5. Security Considerations

   See Section 7 of RFC5988 [RFC5988].

6. Internationalisation Considerations

   See Section 8 of RFC5988 [RFC5988].

7. Normative References

   [RFC2119] Bradner, S., "Key words for use in RFCs to Indicate
              Requirement Levels", BCP 14, RFC 2119, March 1997.

   [RFC5988] Nottingham, M., "Web Linking", RFC 5988, October 2010.

Appendix A. Acknowledgements

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