

draft-ietf-appsawg-
multipart-form-data
update to RFC 2388

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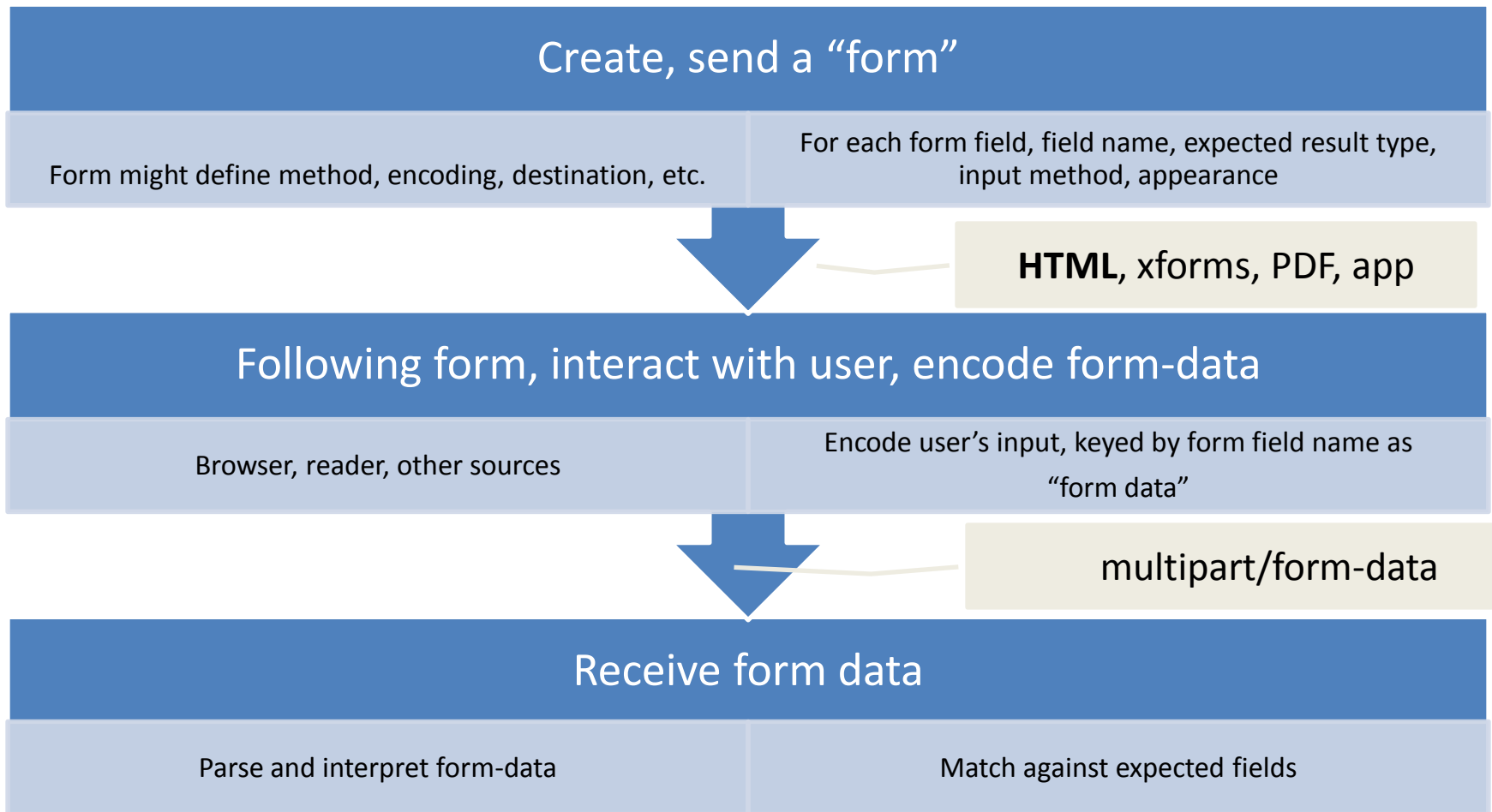
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History

- 1995: *RFC 1867 File Upload (Experimental)*
 - focus was entirely file upload in HTML
- 1998: RFC 2388 multipart/form-data (Proposed Standard)
 - Separate, usable for other apps
- 2013: Most widely deployed implementations don't match RFC 2388
 - *(one of several out-of-date web-related RFCs)*

Form Processing three roles



In Github repo

- Xml2rfc source
- Issues (2 open, 8 closed)
 - Still need review against all implementations
- test-cases directory
 - Forms, test files, (sometimes) expected results
- Excerpt from HTML spec referencing RFC 2388
 - Success criteria for this work includes “suitable for reference by HTML spec”
“rough consensus and running code”
includes all popular implementations

Some Issues

- Non-ASCII field names
 - RFC 2388 proposes field names “may be encoded” using RFC 2047
 - Proposal (in draft) using URL-encoded UTF-8 or document char set
- Multiple files per field
 - RFC 2388 proposes nested multipart/mixed
- Non-ASCII file names (optional)
 - Not really addressed in RFC 2388
 - Different circumstance than Content-Disposition?

Tasks remaining

- Complete test cases
- Review implementations vs. proposed solutions
- Review boundary between HTML-specific advice & multipart/form-data definition