

THE WML 1.2 - DTD

http://www.tutorialspoint.com/wml/wml_dtd.htm

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Here is the complete DTD taken from W3.org. For a latest DTD, please check WML Useful Resources section of this tutorial.

```
<!--
Wireless Markup Language (WML) Document Type Definition.
WML is an XML language. Typical usage:
  <?xml version="1.0"?>
  <!DOCTYPE wml PUBLIC "-//WAPFORUM//DTD WML 1.2//EN"
  "http://www.wapforum.org/DTD/wml12.dtd">
  <wml>
  ...
  </wml>

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Ltd. web site at http://www.wapforum.org/docs/copyright.htm.
-->
<!ENTITY % length "CDATA">
  <!-- [0-9]+ for pixels or [0-9]+"%" for
percentage length -->
<!ENTITY % vdata "CDATA">
  <!-- attribute value possibly containing
variable references -->
<!ENTITY % HREF "%vdata;">
  <!-- URI, URL or URN designating a hypertext
node. May contain variable references -->
<!ENTITY % boolean "(true|false)">
<!ENTITY % number "NMTOKEN">
  <!-- a number, with format [0-9]+ -->
<!ENTITY % coreattrs "id ID #IMPLIED
class CDATA #IMPLIED">
<!ENTITY % ContentType "%vdata;">
<!-- media type. May contain variable references -->

<!ENTITY % emph "em | strong | b | i | u | big | small">
<!ENTITY % layout "br">

<!ENTITY % text "#PCDATA | %emph;">

<!-- flow covers "card-level" elements,
such as text and images -->
<!ENTITY % flow "%text; | %layout; | img | anchor | a | table">

<!-- Task types -->
<!ENTITY % task "go | prev | noop | refresh">

<!-- Navigation and event elements -->
<!ENTITY % navelmts "do | onevent">

<!--===== Decks and Cards =====>

<!ELEMENT wml ( head?, template?, card+ )>
<!ATTLIST wml
  xml:lang NMTOKEN #IMPLIED
  %coreattrs;
>

<!-- card intrinsic events -->
<!ENTITY % cardev
  "onenterforward %HREF; #IMPLIED
  onenterbackward %HREF; #IMPLIED
  ontimer %HREF; #IMPLIED"
>
```

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<!-- card field types -->
<!ENTITY % fields "%flow; | input | select | fieldset">
<!ELEMENT card (oneevent*, timer?, (do | p | pre)*)>
<!ATTLIST card
  title          %vdata;          #IMPLIED
  newcontext     %boolean;        "false"
  ordered        %boolean;        "true"
  xml:lang       NMTOKEN          #IMPLIED
  %cardev;
  %coreattrs;
>

<!--===== Event Bindings =====>

<!ELEMENT do (%task;)>
<!ATTLIST do
  type          CDATA          #REQUIRED
  label         %vdata;        #IMPLIED
  name          NMTOKEN        #IMPLIED
  optional      %boolean;      "false"
  xml:lang      NMTOKEN        #IMPLIED
  %coreattrs;
>

<!ELEMENT oneevent (%task;)>
<!ATTLIST oneevent
  type          CDATA          #REQUIRED
  %coreattrs;
>

<!--===== Deck-level declarations =====>

<!ELEMENT head ( access | meta )+>
<!ATTLIST head
  %coreattrs;
>

<!ELEMENT template (%navelmts;)*>
<!ATTLIST template
  %cardev;
  %coreattrs;
>

<!ELEMENT access EMPTY>
<!ATTLIST access
  domain        CDATA          #IMPLIED
  path          CDATA          #IMPLIED
  %coreattrs;
>

<!ELEMENT meta EMPTY>
<!ATTLIST meta
  http-equiv    CDATA          #IMPLIED
  name          CDATA          #IMPLIED
  forua         %boolean;      "false"
  content       CDATA          #REQUIRED
  scheme        CDATA          #IMPLIED
  %coreattrs;
>

<!--===== Tasks =====>

<!ELEMENT go (postfield | setvar)*>
<!ATTLIST go
  href          %HREF;          #REQUIRED
  sendreferer   %boolean;       "false"
  method        (post|get)      "get"
  enctype       %ContentType;    "application/x-www-form-urlencoded"
  accept-charset CDATA          #IMPLIED

```

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%coreattrs;
>

<!ELEMENT prev (setvar)*>
<!ATTLIST prev
  %coreattrs;
>

<!ELEMENT refresh (setvar)*>
<!ATTLIST refresh
  %coreattrs;
>

<!ELEMENT noop EMPTY>
<!ATTLIST noop
  %coreattrs;
>

<!--===== postfield =====-->

<!ELEMENT postfield EMPTY>
<!ATTLIST postfield
  name          %vdata;      #REQUIRED
  value         %vdata;      #REQUIRED
  %coreattrs;
>

<!--===== variables =====-->

<!ELEMENT setvar EMPTY>
<!ATTLIST setvar
  name          %vdata;      #REQUIRED
  value         %vdata;      #REQUIRED
  %coreattrs;
>

<!--===== Card Fields =====-->

<!ELEMENT select (optgroup|option)+>
<!ATTLIST select
  title         %vdata;      #IMPLIED
  name          NMTOKEN      #IMPLIED
  value         %vdata;      #IMPLIED
  iname         NMTOKEN      #IMPLIED
  ivalue        %vdata;      #IMPLIED
  multiple      %boolean;    "false"
  tabindex      %number;     #IMPLIED
  xml:lang      NMTOKEN      #IMPLIED
  %coreattrs;
>

<!ELEMENT optgroup (optgroup|option)+ >
<!ATTLIST optgroup
  title         %vdata;      #IMPLIED
  xml:lang      NMTOKEN      #IMPLIED
  %coreattrs;
>

<!ELEMENT option (#PCDATA | onevent)*>
<!ATTLIST option
  value         %vdata;      #IMPLIED
  title         %vdata;      #IMPLIED
  onpick        %HREF;       #IMPLIED
  xml:lang      NMTOKEN      #IMPLIED
  %coreattrs;
>

<!ELEMENT input EMPTY>
<!ATTLIST input

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name          NMTOKEN          #REQUIRED
type          (text|password) "text"
value         %vdata;          #IMPLIED
format        CDATA             #IMPLIED
emptyok       %boolean;        "false"
size          %number;         #IMPLIED
maxlength     %number;         #IMPLIED
tabindex      %number;         #IMPLIED
title         %vdata;          #IMPLIED
accesskey     %vdata;          #IMPLIED
xml:lang      NMTOKEN          #IMPLIED
%coreattrs;
>

<!ELEMENT fieldset (%fields; | do)* >
<!ATTLIST fieldset
  title      %vdata;          #IMPLIED
  xml:lang   NMTOKEN          #IMPLIED
  %coreattrs;
>

<!ELEMENT timer EMPTY>
<!ATTLIST timer
  name       NMTOKEN          #IMPLIED
  value      %vdata;          #REQUIRED
  %coreattrs;
>

<!--===== Images =====>

<!ENTITY % IAlign "(top|middle|bottom)" >
<!ELEMENT img EMPTY>
<!ATTLIST img
  alt      %vdata;          #REQUIRED
  src      %HREF;           #REQUIRED
  localsrc %vdata;          #IMPLIED
  vspace   %length;         "0"
  hspace   %length;         "0"
  align    %IAlign;         "bottom"
  height   %length;         #IMPLIED
  width    %length;         #IMPLIED
  xml:lang NMTOKEN          #IMPLIED
  %coreattrs;
>

<!--===== Anchor =====>

<!ELEMENT anchor ( #PCDATA | br | img | go | prev | refresh )*>
<!ATTLIST anchor
  title      %vdata;          #IMPLIED
  accesskey  %vdata;          #IMPLIED
  xml:lang   NMTOKEN          #IMPLIED
  %coreattrs;
>
<!ELEMENT a ( #PCDATA | br | img )*>
<!ATTLIST a
  href      %HREF;           #REQUIRED
  title     %vdata;          #IMPLIED
  accesskey %vdata;          #IMPLIED
  xml:lang  NMTOKEN          #IMPLIED
  %coreattrs;
>

<!--===== Tables =====>

<!ELEMENT table (tr)+>
<!ATTLIST table
  title      %vdata;          #IMPLIED
  align      CDATA            #IMPLIED

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```

columns          %number;      #REQUIRED
xml:lang          NMTOKEN       #IMPLIED
%coreattrs;
>

<!ELEMENT tr (td)+>
<!ATTLIST tr
  %coreattrs;
>
<!ELEMENT td ( %text; | %layout; | img | anchor |a )*>
<!ATTLIST td
  xml:lang          NMTOKEN       #IMPLIED
  %coreattrs;
>

<!--===== Text layout and line breaks =====-->

<!ELEMENT em (%flow;)*>
<!ATTLIST em
  xml:lang          NMTOKEN       #IMPLIED
  %coreattrs;
>

<!ELEMENT strong (%flow;)*>
<!ATTLIST strong
  xml:lang          NMTOKEN       #IMPLIED
  %coreattrs;
>

<!ELEMENT b (%flow;)*>
<!ATTLIST b
  xml:lang          NMTOKEN       #IMPLIED
  %coreattrs;
>

<!ELEMENT i (%flow;)*>
<!ATTLIST i
  xml:lang          NMTOKEN       #IMPLIED
  %coreattrs;
>

<!ELEMENT u (%flow;)*>
<!ATTLIST u
  xml:lang          NMTOKEN       #IMPLIED
  %coreattrs;
>

<!ELEMENT big (%flow;)*>
<!ATTLIST big
  xml:lang          NMTOKEN       #IMPLIED
  %coreattrs;
>

<!ELEMENT small (%flow;)*>
<!ATTLIST small
  xml:lang          NMTOKEN       #IMPLIED
  %coreattrs;
>

<!ENTITY % TAlign    "(left|right|center)">
<!ENTITY % WrapMode  "(wrap|nowrap)" >

<!ELEMENT p (%fields; | do)*>
<!ATTLIST p
  align              %TAlign;      "left"
  mode               %WrapMode;    #IMPLIED
  xml:lang          NMTOKEN       #IMPLIED
  %coreattrs;
>

```

```
<!ELEMENT br EMPTY>
<!ATTLIST br
  %coreattrs;
>

<!ELEMENT pre (#PCDATA | a | br | i | b | em | strong |
               input | select )*>
<!ATTLIST pre
  xml:space          CDATA          #FIXED      "preserve"
  %coreattrs;
>

<!ENTITY quot  ">
<!ENTITY amp  ">
<!ENTITY apos  ">
<!ENTITY lt   ">
<!ENTITY gt   ">
<!ENTITY nbsp  " ">
<!ENTITY shy  ">
```