

| Allowed Concerns: srcFacts, srcML, XML, Parsing | |
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| Concern | <u>srcfacts.cpp#L445-L485</u> |
| | 445 // parse start tag |
| | 446 assert(content.compare(0, "<"sv.size(), "<"sv) == 0); |
| | 447 content.remove_prefix("<"sv.size()); |
| | 449 if (content[0] == ':') { |
| | 449 std::cerr << "parser error : Invalid start tag name\n"; |
| | 450 return 1; |
| | 451 } |
| | 452 std::size_t nameEndPosition = content.find_first_of(NAMEEND); |
| | 453 if (nameEndPosition == content.size()) { |
| | 454 std::cerr << "parser error : Unterminated start tag '" << content. |
| | 455 return 1; |
| | 456 } |
| | 457 size_t colonPosition = 0; |
| | 458 if (content[nameEndPosition] == ':') { |
| | 459 colonPosition = nameEndPosition; |
| | 460 nameEndPosition = content.find_first_of(NAMEEND, nameEndPosition + |
| | 461 } |
| | 462 const std::string_view qName(content.substr(0, nameEndPosition)); |
| | 463 if (qName.empty()) { |
| | 464 std::cerr << "parser error: StartTag: invalid element name\n"; |
| | 465 return 1; |
| | 466 } |
| | 467 [[maybe_unused]] const std::string_view prefix(qName.substr(0, colonPo |
| | 468 const std::string_view localName(qName.substr(colonPosition ? colonPos |
| | 469 TRACE("START TAG", "qName", qName, "prefix", prefix, "localName", loca |
| | 470 bool inEscape = localName == "escape"sv; |
| | 471 if (localName == "expr"sv) { |
| | 472 ++exprCount; |
| | 473 } else if (localName == "decl"sv) { |
| | 474 ++declCount; |
| | 475 } else if (localName == "comment"sv) { |
| | 476 ++commentCount; |
| | 477 } else if (localName == "function"sv) { |
| | 478 ++functionCount; |
| | 479 } else if (localName == "unit"sv) { |
| | 480 ++unitCount; |
| | 481 } else if (localName == "class"sv) { |
| | 482 ++classCount; |
| | 483 } |
| | 484 content.remove_prefix(nameEndPosition); |
| | 485 content.remove_prefix(content.find_first_not_of(WHITESPACE)); |

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| Concern | <u>srcfacts.cpp#L295-L304</u> |
| | 295 // refill content preserving unprocessed |
| | 296 int bytesRead = refillContent(content); |
| | 297 if (bytesRead < 0) { |
| | 298 std::cerr << "parser error : File input error\n"; |
| | 299 return 1; |
| | 300 } |
| | 301 if (bytesRead == 0) { |
| | 302 doneReading = true; |
| | 303 } |
| | 304 totalBytes += bytesRead |
| Concern | <u>srcfacts.cpp#L560-L568</u> |
| | 560 std::size_t valueEndPosition = content.find(delimiter); |
| | 561 if (valueEndPosition == content.npos) { |
| | 562 std::cerr << "parser error : attribute " << qName << " missing del |
| | 563 return 1; |
| | 564 } |
| | 565 const std::string_view value(content.substr(0, valueEndPosition)); |
| | 566 if (localName == "url"sv) |
| | 567 url = value; |
| | 568 TRACE("ATTRIBUTE", "qname", qName, "prefix", prefix, "localName", loca |
| Concern | <u>srcfacts.cpp#L329-L336</u> |
| | 329 // parse character non-entity references |
| | 330 assert(content[0] != '<' && content[0] != '&') |
| | 331 std::size_t characterEndPosition = content.find_first_of("<&") |
| | 332 const std::string_view characters(content.substr(0, characterEndPositi |
| | 333 TRACE("CHARACTERS", "characters", characters) |
| | 334 loc += static_cast<int>(std::count(characters.cbegin(), characters.cen |
| | 335 textSize += static_cast<int>(characters.size()) |
| | 336 content.remove_prefix(characters.size()) |