# Checklist for "File Searcher" Application

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# Smoke Test Checklist

## 1. Application Launch and General UI

* Verify the application launches successfully on Windows 10 and Windows 11.
* Ensure the main screen displays the following fields:
  + "Where to search"
  + "What to search"
  + "Search" button
* Verify the "Language" toggle functionality switches between Russian and English.
* Ensure the "About" page is accessible and displays relevant application information.

## 2. Search Functionality

* Verify that the "Search" button is clickable.
* Check that entering a valid directory in "Where to search" initiates the search.
* Ensure that specifying a valid file type in "What to search" filters the results correctly.
* Verify that the search results are displayed in the results table.

## 3. Compatibility

* Ensure the application does not crash or hang when tested on both Windows 10 and Windows 11.
* Verify support for SMB protocol for network-based searches.
* Ensure file searching works for supported file types (audio, video, and office files).

## 4. Negative Checks

* Verify the application handles invalid directories (e.g., "C:\InvalidPath") gracefully with appropriate error messages.
* Ensure unsupported file types (e.g., .exe, .png) are not processed.
* Check that leaving the "Where to search" field empty prevents the search from starting.

# Critical Path Test Checklist

## 1. Search Process Execution

##### 1.1 Input Fields Validation

* Verify the "Where to search" field accepts a valid directory path.
* Verify the "What to search" field allows selection of supported file types:
  + Audio files: mp3, ogg, wav, mid
  + Video files: avi, mpg, mpeg
  + Office files: doc, docx, xls, xlsx

##### 1.2 Search Button Functionality

* Ensure the "Search" button starts the search process when all required fields are filled.
* Verify that clicking "Search" displays a loading indicator until the operation completes.
* Check that results are updated in real-time in the results table.

## 2. Search Results Validation

##### 2.1 Displayed Information

* Verify that each result includes the following:
  + File number (e.g., 1, 2, 3, etc.)
  + File name (with extension)
  + Full file path
  + File size (correctly formatted with appropriate measurement units)
  + File creation date and time (YYYY-MM-DD HH:MM format)
  + Thumbnail for video files

##### 2.2 Accuracy of Results

* Validate that results only include files matching the specified criteria.
* Ensure no duplicate entries are displayed in the results table.

## 3. Localization Testing

* Verify the entire interface translates correctly when switching between Russian and English.
* Ensure no untranslated elements remain in either language.

## 4. Business Rule Testing

* For video files, verify that hovering over a result shows a thumbnail of the first frame (size limited to 100x100 pixels).
* Ensure no new interface elements are displayed when hovering over audio or office files.

## 5. Performance Testing

* Verify that the search completes within 50% less time than similar searches in Windows Explorer.
* Ensure the application remains responsive during a search involving a large number of files.