

from typing import List

```
def concat_strings(string_list: List[str]) -> str:
```

```
    """
```

Concatenates a list of strings into a single string.

Args:

string_list (List[str]): A list of strings to be concatenated.

Returns:

str: The concatenated string.

Raises:

TypeError: If the input is not a list of strings.

```
    """
```

```
    if not isinstance(string_list, list):
```

```
        raise TypeError("Input must be a list of strings.")
```

```
    if not all(isinstance(string, str) for string in string_list):
```

```
        raise TypeError("All elements in the list must be strings.")
```

```
    try:
```

```
        return "".join(string_list)
```

```
    except TypeError:
```

```
raise TypeError("All elements in the list must be strings.")
```