Solution 1

```python
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# O(n) time | O(n) space - where n is the length of the path
def shortenPath(path):
    startsWithSlash = path[0] == "/"
    tokens = filter(isImportantToken, path.split("/"))
    stack = []
    if startsWithSlash:
        stack.append("")
    for token in tokens:
        if token == "..":
            if len(stack) == 0 or stack[-1] == "..":
                stack.append(token)
            elif stack[-1] != "":
                stack.pop()
        else:
            stack.append(token)

    if len(stack) == 1 and stack[0] == "":
        return "/"
    return "/".join(stack)


def isImportantToken(token):
    return len(token) > 0 and token != "."

```