```
def markdown_to_html(self, markdown_text):
"""Convert markdown to HTML using the markdown library"""
import markdown
# Convert the markdown to HTML
html = markdown.markdown(markdown_text, extensions=['fenced_code', 'tables'])
# Add some basic styling for code blocks if present
html = html.replace(
    ''    '    tyle="background-color: #1e1e1e; color: #d4d4d4; padding: 12px; '
    'border-radius: 4px; font-family: Consolas, \'Courier New\', monospace;">'
    )
return html
```