jQuery Mobile
a JavaScript framework

jQuery Mobile – a JavaScript framework

- What is jQuery Mobile?

- Which features does it have?

- Which limitations does jQuery Mobile have?

- Other existing frameworks

What is jQuery Mobile?

- **jQuery** is a library – a toolkit which simplifies scripting and working with the DOM-elements

- primarily for desktop use

- **jQuery Mobile** provides ready made interface elements to be primarily used in a mobile app

- mobile first but not mobile only: cross-plattform compatibility

Which features does jQuery Mobile contain?

- **Wide browser and device coverage:**
    - → cross-browser compatible
    - → cross-device compatible

- **Touch-friendly inputs and widget**
    - → touch-capable, still working with the mouse
    - → replaces the standard HTML form controls

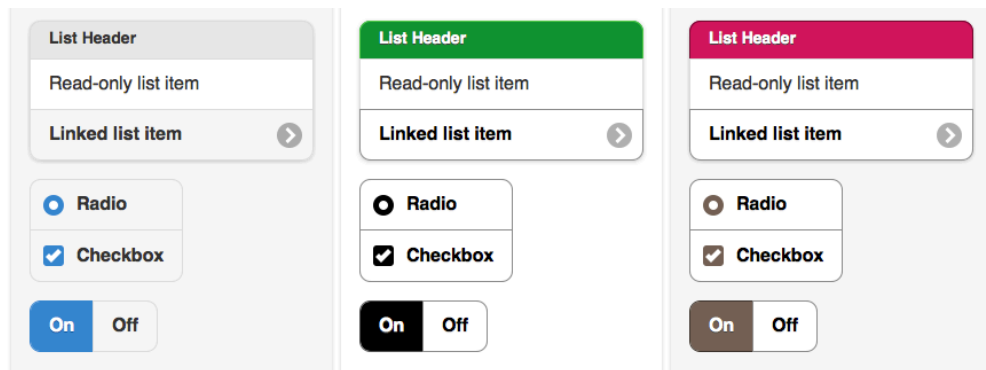# Which features does jQuery Mobile contain?

- **Responsive design**
  - → all widgets are built to fit any screen
  - → e.g. table reflow and the responsive grid

Rank	Movie Title	Year	Rating	Reviews
1	Citizen Kane	1941	100%	74
2	Casablanca	1942	97%	64
3	The Godfather	1972	97%	87
4	Gone with the Wind	1939	96%	87
5	Lawrence of Arabia	1962	94%	87
6	Dr. Strangelove Or How I Learned to Stop Worrying and Love the Bomb	1964	92%	74
7	The Graduate	1967	91%	122
8	The Wizard of Oz	1939	90%	72
9	Singin' in the Rain	1952	89%	85
10	Inception	2010	84%	78

Rank	1
Movie Title	Citizen Kane
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Rank	2
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Rating	97%
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Which features does jQuery Mobile contain?

- **Layout and theming engine**
    - → provides an object-oriented CSS framework
    - → add classes to the HTML code or create own color-patterns

Which features does jQuery Mobile contain?

- **Ajax page navigation model**
  - → jQuery Mobile intercepts the link processing
  - → fetches the new page with an AJAX call
  - → new content loaded into the DOM
  - → no re-initializing of the Javascript or CSS code
  - → execution time is shorter

Which limitations does jQuery Mobile have?

- CSS themes have limited options

- HTML and CSS widgets are displayed slower than widgets native to the device

- people used to native apps are often not familiar with jQuery Mobile apps

Which other Javascript frameworks exist?

- **jQuery Mobile** one of the most popular Javascript frameworks

- free to use for commercial projects and has an excellent open-source community

- the support as well as the user friendliness of the framework itself make it easy to learn

- people with less scripting knowledge are still capable of working with jQuery Mobile.

Which other Javascript frameworks exist?

- **AngularJS** is another open-source framework

- built by Google and focusses on running web-based single-page applications

- doesn't support all browsers yet

- not as easy to learn as jQuery Mobile

Which other Javascript frameworks exist?

- **PhoneGap** is maintained by Nitobe which belongs to Adobe

- provides open-source capability creating apps only once

- charged on a monthly basis