b brian**richards**

jQuery TimePicker

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Planning and High Level Requirements

This time picker will be built to follow a progressive enhancement strategy. At it's core, it will be based on a standard HTML input control so users without Javascript will still have the use of a functional control.

Phases will be kept short and manageable to allow for quick progress. This document will continue to grow as work continues and requirements are refined.

1 **Phase 1**

- Initial design
- Basic markup for half-hour intervals (including ThemeRoller styling)

2 **Phase 2**

- Initial jQueryUI widget functionality
- Support for configurable time intervals (quarter, half, and whole hour)
- Mouse based access

3 **Phase 3**

- Keyboard based access
- Accessibility/ARIA improvements
- Companion Javascript for unobtrusive use

4 **Future Phases**

- Localization
- 24-hour time
- Acceptable time range (working hours)

Storyboard

1. Initial state.

The initial state of the control will be the same as that of a default input control. An option will be available to control the inclusion of an icon, similar to most date picker controls.
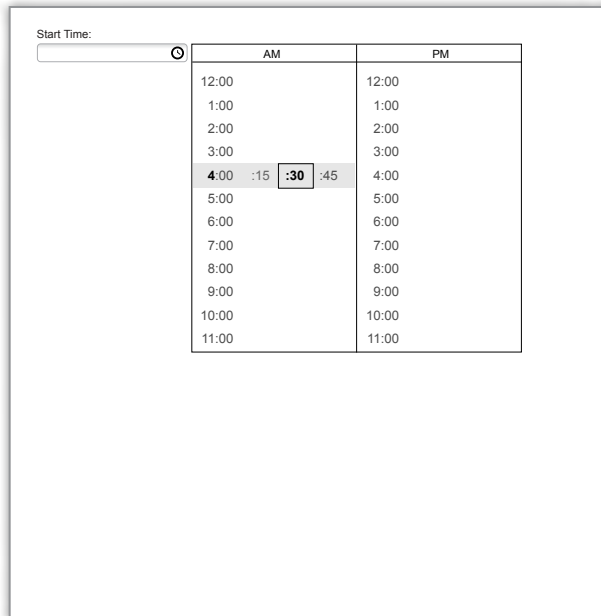
2. Input gets focus.

When the input control gets focus (either by keyboard or mouse), the time picker will display.
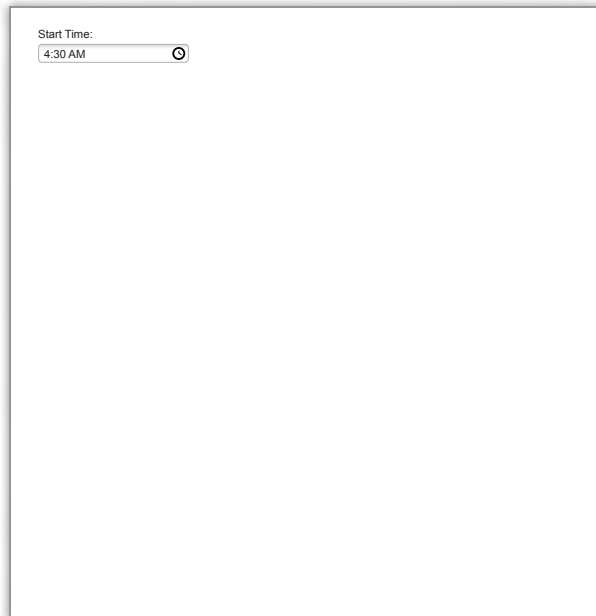
3. Hover.

When a time row is hovered over, the row will recieve a hover state and the currently hovered time will be highlighted. These states will also hold true for keyboard navigation.

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Storyboard (cont.)

Start Time:

AM				PM
12:00				12:00
1:00				1:00
2:00				2:00
3:00				3:00
4:00	:15	**:30**	:45	4:00
5:00				5:00
6:00				6:00
7:00				7:00
8:00				8:00
9:00				9:00
10:00				10:00
11:00				11:00

Start Time:

4:30 AM

4. Hover.

As quarter hour times are hovered over, the highlight will follow.

5. Selected value.

Once a time is selected, it will be used to populate the input control.

Variations

Start Time:

	AM				PM
	12:00				12:00
	1:00				1:00
	2:00				2:00
	3:00				3:00
	4:00	:15	**:30**	:45	4:00
	5:00				5:00
	6:00				6:00
	7:00				7:00
	8:00				8:00
	9:00				9:00
	10:00				10:00
	11:00				11:00

Quarter Hour

Start Time:

AM		PM
12:00		12:00
1:00		1:00
2:00		2:00
3:00		3:00
4:00	**:30**	4:00
5:00		5:00
6:00		6:00
7:00		7:00
8:00		8:00
9:00		9:00
10:00		10:00
11:00		11:00

Half Hour

Start Time:

AM	PM
12:00	12:00
1:00	1:00
2:00	2:00
3:00	3:00
4:00	4:00
5:00	5:00
6:00	6:00
7:00	7:00
8:00	8:00
9:00	9:00
10:00	10:00
11:00	11:00

Full Hour

Requirements

Start Time:

AM	PM
12:00	12:00
1:00	1:00
2:00	2:00
3:00	3:00
4:00 :15 **:30** :45	4:00
5:00	5:00
6:00	6:00
7:00	7:00
8:00	8:00
9:00	9:00
10:00	10:00
11:00	11:00

[Figure Title]

Base Element

The control should work with a standard HTML input control to allow for progressive enhancement.

Notes

- An option will be available to control the inclusion of the clock icon. Default behavior will be to show the icon on the inside of the text box.
- When the input receives focus, the selector pop-up will appear.

Selector pop-up

The pop-up is the primary source of interaction for the time picker. The time will be selected in the pop-up and the value selected will be used to populate the input control.

Notes

- [Note]
- [Note]
- [Note]
- [Note]

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Keyboard Navigation

API Reference

Start Time:

	AM	PM
	12:00	12:00
	1:00	1:00
	2:00	2:00
	3:00	3:00
	4:00 :15 **:30** :45	4:00
	5:00	5:00
	6:00	6:00
	7:00	7:00
	8:00	8:00
	9:00	9:00
	10:00	10:00
	11:00	11:00

ID	Option	Required?	Notes	Sample Values	Type
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					