

# Form Components

## Form Builder

The Form Builder feature allows us to create any new form via API. Ideally, the API responds the form structure in JSON format and the Native Mobile App will render the native UI element then.

Check out the following tutorial to get an overview on how to implement form: [Tutorial 3: Add new Create Button and connect to create a new post Form](#)

### Some common use cases of Form:

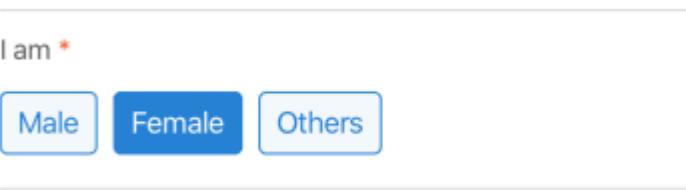
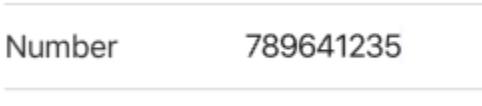
- Create or Edit form for an item such as Blog, Event, Music...
- Link Edit action to an Edit form

For each form, we create a class extended the **GeneralForm** class. This parent class already has many methods to manage the form's fields and control business rule, validation, handle submission.

## Form Components

Form components are pre-defined components used for rendering Form elements and controlled by Form API.

### General parameters for all Form component

K ey	T y pe	Description	Example
n a me ing	S tri ng	The unique id of this form component in this section	'postal_code', 'email', 'password',.....
la b el	S tri ng	The label of the form component	'Postal Code', 'Email', 'Password', 'Number', ....
in li ne	B o ol	Adjust the label and the form component in one line	
r e q ui red	B o ol	Show the red Asterisk (*) next to the label to remind the user to have to fill in this field	
v al ue	S tri ng	The initial value is used to set into form component (common-case use in edit form)	
	S tri ng		

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pla c e hol der	stri ng	<p>The placeholder text of the text input if this form component has related to the text input field</p> <p>Email</p> <p>Enter email address</p> <hr/>	
descrip tion	stri ng	Description of this form component. This will show under this form component	

## Supported form field components

The current version of the Native App has supported the following components

[Basic Form Field Components](#)

Component Name	Render on Mobile App	Specific Parameters	Associated class
Text	Postal Code <input type="text" value="70000"/> <span style="color: red;">×</span>	<b>Parameters:</b> <ul style="list-style-type: none"> <li>• value: (string)</li> </ul> <p><b>Submit value format:</b> (string)</p>	\Apps\Core_MobileApi\Api\Form\Type\TextType
Email	Email david@phpfox.com	<b>Parameters:</b> <ul style="list-style-type: none"> <li>• value: (string)</li> </ul> <p><b>Submit value format:</b> (email as string)</p>	\Apps\Core_MobileApi\Api\Form\Type>EmailType
Password	Password  <input type="password" value="*****"/>	<b>Parameters:</b> <ul style="list-style-type: none"> <li>• value: (string)</li> </ul> <p><b>Submit value format:</b> (string)</p>	\Apps\Core_MobileApi\Api\Form\Type>PasswordType

Number	789641235	<p><b>Parameters:</b></p> <ul style="list-style-type: none"> <li>• value: (string)</li> </ul> <p><b>Submit value format:</b> (int)</p>	\Apps\Core_MobileApi\Api\Form\Type\Integer
Radio	<p>I am *</p> 	<p><b>Parameters:</b></p> <ul style="list-style-type: none"> <li>• value: (string)</li> <li>• options: (array) Each option has <b>value</b> and <b>label</b> fields</li> </ul> <p><b>Submit value format:</b> (string)</p>	<p>int) the selected <b>value</b></p> <p><b>API response example:</b></p> <pre> ▼ options [2]   ▼ 0 {2}     value : 1     label : Male   ▼ 1 {2}     value : 2     label : Female   </pre>

P h o n e N u m b er	Phone      +84397634709	<b>Parameters:</b> <ul style="list-style-type: none"><li>• value: (string) <b>Submit value format:</b> (string)</li></ul>	\Apps\Core_MobileApi\Api\Form\Type\PhoneType
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Privacy		<p><b>Parameters:</b></p> <ul style="list-style-type: none"> <li>• value: (string)</li> </ul> <p><b>Submit value format:</b> (int)</p>	array)
File	<p>Upload single file or photo Select Image(s) *</p> 	<p><b>Parameters:</b></p>	\Apps\Core_MobileApi\Api\Form\Type\FileType

- **file\_type:** (string), (photo, video, file) which file type allows to upload
- **preview\_url:** (string) use in edit case for preview purpose
- **item\_type:** module id of app alias use for callback in server
- **upload\_endpoint:** (string) defines pre-upload URL

**Submit value format:** (array)  
[ status : 'new' , temp\_file : '{num}' ]

**Purpose of each field:**

- **status:** can new, change, unchanged, remove, base in this flag let us know the state of the file
- **temp\_file:** the temp file id was uploaded

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Upload multiple files or Photos  
Select Image(s) \*



**Parameters:**

- **file\_type:** (string)
- **item\_type:** module id of app alias use for callback in server
- **multiple:** (bool)
- **min\_files:** (int)
- **max\_files:** (int)
- **current\_files:** (array of file with fields [id, url, default])
- **upload\_endpoint:** (string)

**Submit value format:** (array) with format  
{'new' : [4,5,6], 'remove' : [1,2,3], 'order' : [3,2,1], 'default' : 2}

**Purpose of each flat:**

- **new:** List of new temp file ida that were pre-uploaded
- **remove:** List of removed temp field id
- **order:** The ordering of each file
- **default:** the ID of file use as default



VideoUpload	Extends from file type but limit file type to Video only  Select video file 	<b>Parameters:</b> <ul style="list-style-type: none"><li>• file_type: (string)</li><li>• item_type: (string) module alias</li><li>• upload_endpoint: (string)</li></ul> <b>Submit value format:</b> (array) with format [status : 'new' ,temp_file : '{num}']	\Apps\Core_MobileApi\Api\Form\Type\VideoUploadType
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A tt a c h m e nt	<p><b>Parameters:</b></p> <ul style="list-style-type: none"><li>• file_type: (string)</li><li>• upload_endpoint: (string)</li><li>• current_attachments: (array)</li><li>• item_type: (string) module alias</li><li>• item_id: (int) ID of the attachment is belong to</li></ul> <p><b>Submit value format:</b> (array) array of attachment IDs that were reuploaded to the site</p>
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Price	<p>Price 100000000</p>	<p><b>Parameters:</b></p> <ul style="list-style-type: none"> <li>• value: (string)</li> </ul> <p><b>Submit value format:</b> (string)</p>	\Apps\Core_MobileApi\Api\Form\Type\PriceType
Text Area	<p>Description This is the description of ..... </p>	<p><b>Parameters:</b></p> <ul style="list-style-type: none"> <li>• value: (string)</li> </ul> <p><b>Submit value format:</b> (string)</p>	\Apps\Core_MobileApi\Api\Form\Type\Textareatype
Slider	<p>Between Ages</p> 	<p><b>Parameters:</b></p> <ul style="list-style-type: none"> <li>• value: (string)</li> <li>• minimumValue: (int)</li> <li>• maximumValue: (int)</li> </ul> <p><b>Submit value format:</b> (array)</p>	\Apps\Core_MobileApi\Api\Form\Type\SliderType
Check Box	<p>Allow multiple choice</p> 		\Apps\Core_MobileApi\Api\Form\Type\CheckType

C h o i c e	<p>Currency * U.S. Dollars ▾</p> <p><b>Parameters:</b></p> <ul style="list-style-type: none"> <li>• value: (string)</li> <li>• options: (array)</li> </ul> <p><b>Submit value format:</b> (string)</p> <pre> ▼ options [2]   ▼ 0 {2}     value : AF     label : afghanistan   ▼ 1 {2}     value : VN     label : Viet Nam </pre>	\Apps\Core_MobileApi\Api\Form\Type\Choice
M u l t i  C h o i c e	<p>Create multi-select</p> <p><b>Parameters:</b></p> <ul style="list-style-type: none"> <li>• value: (string)</li> <li>• options: (array)</li> </ul> <p><b>Submit value format:</b> (array) array of selected option</p>	\Apps\Core_MobileApi\Api\Form\Type\MultiCh
D a t e	<p>Start Time * 2019-03-20 </p> <p><b>Parameters:</b></p> <ul style="list-style-type: none"> <li>• value: (string)</li> </ul> <p><b>Submit value format:</b> (string) format yyyy-mm-dd</p>	\Apps\Core_MobileApi\Api\Form\Type\DateTy

Birthday	Birthday *	<input type="text"/> 	<b>Parameters:</b> <ul style="list-style-type: none"><li>• value: (string) <b>Submit value format:</b> (string) format yyyy-mm-dd</li></ul>	\Apps\Core_MobileApi\Api\Form\Type\BirthdayType.php
Time	Start Time *	<input type="text"/> 	<b>Parameters:</b> <ul style="list-style-type: none"><li>• value: (string) <b>Submit value format:</b> (string) format H:i:s</li></ul>	\Apps\Core_MobileApi\Api\Form\Type\TimeType.php

Date Time	<p>End Time *</p> <p>Fri, Mar 15, 2019 6:00 PM</p> 	<p><b>Parameters:</b></p> <ul style="list-style-type: none"><li>• value: (string)</li></ul> <p><b>Submit value format:</b> (string) format yyyy-mm-dd H:i:s</p>	\Apps\Core_MobileApi\Api\Form\Type\DateTi
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F r i e n d P i c k er	- with Raining  	<p><b>Parameters:</b></p> <ul style="list-style-type: none"><li>• value: (array)</li><li>• api_endpoint: (string)</li><li>• item_type: (string)</li><li>• item_id: (int)</li></ul> <p><b>Submit value format:</b> (array) array of selected friend user IDs</p>	\Apps\Core_MobileApi\Api\Form\Type\FriendF
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Relationship Picker	Similar to Friend Picker	<p><b>Parameters:</b></p> <ul style="list-style-type: none"> <li>• value: (array)</li> <li>• api_endpoint: (string)</li> <li>• item_type: (string)</li> <li>• item_id: (int)</li> </ul> <p><b>Submit value format:</b> (array) array of selected user IDs</p>	\Apps\Core_MobileApi\Api\Form\Type\RelationshipType
Range	<p>Between Ages</p> 	<p><b>Parameters:</b></p> <ul style="list-style-type: none"> <li>• value: (string)</li> <li>• minimumValue: (int)</li> <li>• maximumValue: (int)</li> </ul> <p><b>Submit value format:</b> (array)</p>	\Apps\Core_MobileApi\Api\Form\Type\RangeType
Button	Create a button	<p><b>Parameters:</b></p> <ul style="list-style-type: none"> <li>• label: (string)</li> </ul>	\Apps\Core_MobileApi\Api\Form\Type\ButtonType

S u b m it	Create a form submit button	<b>Parameters:</b> <ul style="list-style-type: none"><li>• label: (string)</li></ul>	\Apps\Core_MobileApi\Api\Form\Type\Submit
T a gs	Create an input tags field	<b>Parameters:</b> <ul style="list-style-type: none"><li>• value: (array) <b>Submit value format:</b> (array)</li></ul>	\Apps\Core_MobileApi\Api\Form\Type\TagsTy

U rl	Create a URL input field	<b>Parameters:</b> <ul style="list-style-type: none"><li>• value: (string)</li><li>• preview_endpoint: (string)</li></ul> <b>Submit value format:</b> (array)	\Apps\Core_MobileApi\Api\Form\Type\UrlType
H ie ra rc hy	Multi level selectbox	<b>Parameters:</b> <ul style="list-style-type: none"><li>• options: (array)</li><li>• suboptions: (array)</li></ul> <b>Submit value format:</b> (array)	\Apps\Core_MobileApi\Api\Form\Type\Hierarc

H id d en	Hidden field	<b>Parameters:</b> <ul style="list-style-type: none"><li>• value: (int</li></ul>	string) <b>Submit value format:</b> (int
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C o u n t r y  S t a t e	Build a Country state select	<b>Parameters:</b> <ul style="list-style-type: none"><li>• value: (array)</li><li>• options: (array)</li><li>• suboptions: (array)</li></ul> <b>Submit value format:</b> (array)	\Apps\Core_MobileApi\Api\Form\Type\Country

### Some special form components

Component Name	Image Example	Class	Note															
QuizQuestion	<p>Question *</p> <p>2 * Pi * 3.14</p> <table> <tr> <td>Answer #1</td> <td><input checked="" type="radio"/></td> <td></td> </tr> <tr> <td>2 * Pi * Pi</td> <td><input type="radio"/></td> <td></td> </tr> <tr> <td>Answer #2</td> <td><input type="radio"/></td> <td></td> </tr> <tr> <td>1</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>	Answer #1	<input checked="" type="radio"/>		2 * Pi * Pi	<input type="radio"/>		Answer #2	<input type="radio"/>		1						\Apps\Core_MobileApi\Api\Form\Type\QuizQuestionType	This is a special component type used in create and edit Quiz Form
Answer #1	<input checked="" type="radio"/>																	
2 * Pi * Pi	<input type="radio"/>																	
Answer #2	<input type="radio"/>																	
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PollAnswer	<p>Answer #1</p> <p>17865</p> <p>Answer #2</p> <p>123455</p> <table> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>							\Apps\Core_MobileApi\Api\Form\Type\PollAnswerType	The special component type use as a form field in creating and edit Poll									
																		
																		
																		
RelationshipPicker	<p>- with Raining   </p> 	\Apps\Core_MobileApi\Api\Form\Type\RelationshipPickerType																