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(12) **United States Patent**
Chen

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(54) **METHOD FOR CREATING FORM
VALIDATION PROGRAM AND
CORRESPONDING FORM INTERFACE
ACCORDING TO RESULT SET METADATA**

(56) **References Cited**

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(57) **ABSTRACT**

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The settings related to form fields now are unable to be set dynamically according to attributes of a table. The settings related to form fields include length of form fields, validation rule of form filed (such as length of input character or whether the input character is a not null parameter, etc.), and presentation of form fields (such as check box or calendar time selection interface). The present invention uses result set metadata of a relational database to get the attributes. Thus a form interface includes form fields corresponding to the attributes. And the presentation of the form fields can be determined by the corresponding attribute parameters. Moreover, whether data format is correct is checked by a form validation program according to data user input into the form field. Thereby development workflow can be simplified and development time can be shortened for web developers and program designers.

(65) **Prior Publication Data**

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G06F 17/24 (2006.01)
G06F 17/30 (2006.01)

(52) **U.S. Cl.**
CPC **G06F 17/243** (2013.01); **G06F 17/30893** (2013.01)

(58) **Field of Classification Search**
CPC G06F 17/243; G06F 17/30893
See application file for complete search history.

5 Claims, 6 Drawing Sheets

Table Name: Schema: hipowerdb
 Collation: Engine:
 Comments:

Column Name	Datatype	PK	NN	U	B	IN	UN	ZF	AI	Default
idzNanE	INT(11)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
◆ Name	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
◆ Email	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
◆ Topic	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
◇ Content	VARCHAR(500)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
◇ Sex	TINYINT(4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
◇ CreateDate	TIMESTAMP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
◆ C1	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
◇ C2	VARCHAR(45)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
◇ isChecked	TINYINT(1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
◇ LanguageID	INT(11)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL

Column Name: Date Type:
 Collation: Default:
 Comments:

Primary Key Not Null Unique
 Binary Unsigned Zero Fill
 Auto Increment

Columns | Indexes | Foreign Keys | Triggers | Partitioning | Options