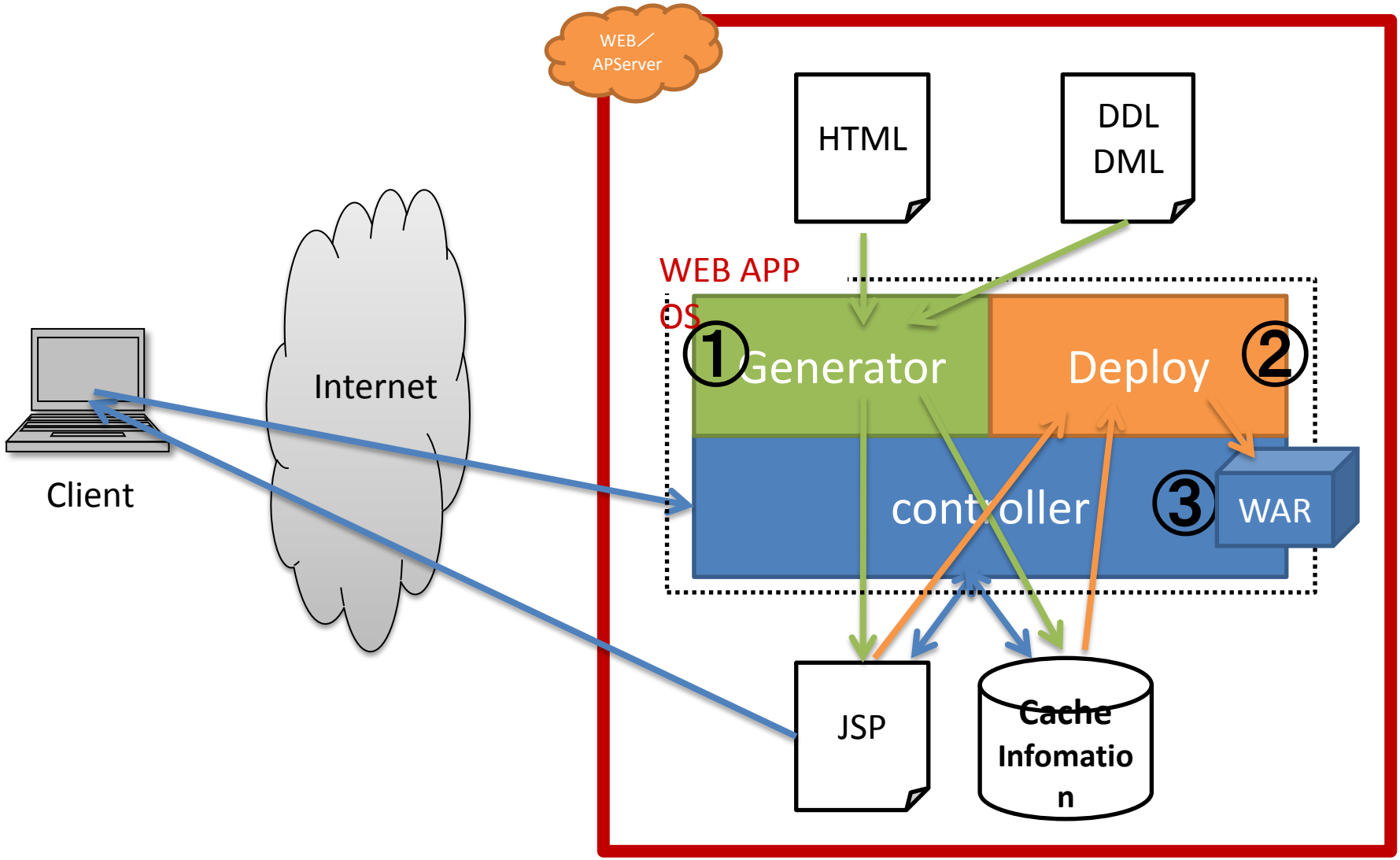
WEB APP OS Function Diagram



WEB APP OS Function List

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Controller						
	Function name	Functional overview	α version	β version	release versi	Remarks
Access control						
	Request/Response control	It receive the request from a client and return a processing result after practice by processing depending on a request.	○	○	○	It receive the request from a client and return a processing result after practice by processing depending on a request.
	Login attestation function	When login can define the unnecessary page as a necessary page and accessed it in the state that does not log in to the page needing login, It display a login page.		○	○	When login can define the unnecessary page as a necessary page and accessed it in the state that does not log in to the page needing login, It display a login page.
	Bookmark Login	It redirects it to the log in page when it is accessed from the bookmark on the page for which the login authentication is necessary. Moreover, it accesses the screen accessed at first after log in.		○	○	It redirects it to the log in page when it is accessed from the bookmark on the page for which the login authentication is necessary. Moreover, it accesses the screen accessed at first after log in.
	User authority control	It is a function to control accessible page and operation by the authority of the user.			▲	It is a function to control accessible page and operation by the authority of the user.
Screen display						
	List display function	It is a function to acquire information in the condition of specifying it from the data base and to do the list display. It is also possible to display the pager.	○	○	○	It is a function to acquire information in the condition of specifying it from the data base and to do the list display. It is also possible to display the pager.
	Detail display function	It is a function that acquires information retrieved on the condition of specifying it from the data base and displays it. When information is displayed, formatting can be done.	○	○	○	It is a function that acquires information retrieved on the condition of specifying it from the data base and displays it. When information is displayed, formatting can be done.
	Registration function	It is a function to register the value in the data base.	○	○	○	It is a function to register the value in the data base.
	Update function	It is a function to register the value in the data base.	○	○	○	It is a function to register the value in the data base.
	delete function	It is a function to register the value in the data base.	○	○	○	It is a function to register the value in the data base.
	Image optimization	In the img tag of HTML, the image of src is expanded or reduced by specified size (height,width). .。The volume of data of the response is reduced even when the big size image is specified for HTML by reducing to the best size for the screen size and displaying it, and the performance of the page display improves..		○	○	In the img tag of HTML, the image of src is expanded or reduced by specified size (height,width). .。The volume of data of the response is reduced even when the big size image is specified for HTML by reducing to the best size for the screen size and displaying it, and the performance of the page display improves..
	Resource browser cash measures	When the file of javascript and css is corrected, cash becomes effective and the correction might not be reflected according to a browser. Therefore, at WEB APP OS,It prevents the cash of the browser from being read it by automatically adding a query string to a file name.		○	○	When the file of javascript and css is corrected, cash becomes effective and the correction might not be reflected according to a browser. Therefore, at WEB APP OS,It prevents the cash of the browser from being read it by automatically adding a query string to a file name.
	Multilingual localization	It is possible to switch to the locale for which the message and the label displayed on the screen are specified.			▲	It is possible to switch to the locale for which the message and the label displayed on the screen are specified.

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Client cooperation						
	Form automatic generation	The value of the data base can be displayed in the selection box and the check box of HTML.			▲	The value of the data base can be displayed in the selection box and the check box of HTML.
	RESTful API function	The operation of the data base (acquisition, registration, update, and deletion) can be done through API because it corresponds to the asynchronous communication (Ajax function) on the client side. API returns the response by the XML form.		○	○	The operation of the data base (acquisition, registration, update, and deletion) can be done through API because it corresponds to the asynchronous communication (Ajax function) on the client side. API returns the response by the XML form.
Mail						
	Fixed address transmission	it send an email to the appointed e-mail address. Two or more addresses can respectively be specified for to, cc, and bcc. The email text is described to the template of FreeMarker.	○	○	○	it send an email to the appointed e-mail address. Two or more addresses can respectively be specified for to, cc, and bcc. The email text is described to the template of FreeMarker.
	Variable address transmission	It send an email to the e-mail address defined by a database. The email text is described to the template of FreeMarker.	○	○	○	It send an email to the e-mail address defined by a database. The email text is described to the template of FreeMarker.
File						
	File upload	It is a function to up-load the file to the server. The up-loading destination is revokable by the setting.		○	○	It is a function to up-load the file to the server. The up-loading destination is revokable by the setting.
	File download	It is a function to download the file on the server.			▲	It is a function to download the file on the server.
	CSV Uptake function	It is a function to register the content of the CSV file in the data base.			▲	It is a function to register the content of the CSV file in the data base.
Security						
	Validation function	It is a function to do the validation. Client side and either of the server side perform the validation			▲	It is a function to do the validation. Client side and either of the server side perform the validation
	Coding function	An arbitrary item is encrypted at the inquiry, registration, and the update to the data base.		○	○	An arbitrary item is encrypted at the inquiry, registration, and the update to the data base.
	Transaction token	It is a function to confirmation of the screen transition order and Protection against dual press		○	○	It is a function to c onfirmation of the screen transition order and Protection against dual press
	HTTPS（SSL）correspondence	SSL can be accessed. SSL and non-SSL access utility can respectively be defined.	－	－	－	SSL can be accessed. SSL and non-SSL access utility can respectively be defined.
	SQL injection correspondence	Unlawful computer access from the outside to the data base is prevented by appropriately escaping in the value input from the outside.		○	○	Unlawful computer access from the outside to the data base is prevented by appropriately escaping in the value input from the outside.
	Cross site scripting correspondence	The falsification of the Web page and the script not intended are prevented being executed by appropriately escaping in the meta character who composes the HTML tag and the script input from the outside.		○	○	The falsification of the Web page and the script not intended are prevented being executed by appropriately escaping in the meta character who composes the HTML tag and the script input from the outside.
	Cross site request forgeries corresponder	Whether it is a correct request by using the transaction token is confirmed.		○	○	Whether it is a correct request by using the transaction token is confirmed.

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	Command injection correspondence	OS command from a browser is prevented being executed.			○	OS command from a browser is prevented being executed.
	directory traversal correspondence	When the request that specifies the relative path for URL is received, the access to the hierarchy that should not be originally accessed is not permitted.		○	○	When the request that specifies the relative path for URL is received, the access to the hierarchy that should not be originally accessed is not permitted.
	Http Header injection correspondence	–	–	–	–	–
	Mail header injection correspondence	–	–	–	–	–
	Session hijacking correspondence	It prevent a leak of the session ID and cope with the spoofing attack of the user by changing session ID regularly.		○	○	It prevent a leak of the session ID and cope with the spoofing attack of the user by changing session ID regularly.
SEO measures						
	URL routing	In order to raise search ranking, a dynamic value is not included in URL, and a search engine makes it be easy to be searched by pretending to be URL of a static page.		○	○	In order to raise search ranking, a dynamic value is not included in URL, and a search engine makes it be easy to be searched by pretending to be URL of a static page.
SNS cooperation						
	Twitter cooperation	It cooperates with Twitter. (OAuth attestation)		○	○	It cooperates with Twitter. (OAuth attestation)
	Facebook Twitter cooperation	It cooperates with Facebook. (OAuth attestation)		○	○	It cooperates with Facebook. (OAuth attestation)
External system cooperation						
	Full text search	The result of the retrieval of the user from the document set that the Web site maintains is displayed.			▲	The result of the retrieval of the user from the document set that the Web site maintains is displayed.
	API cooperation	It is a function to use external Web service. API that can be used is being selected.			▲	It is a function to use external Web service. API that can be used is being selected.

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Generator

Function name	機能概要	α version	β version	release versi	機能概要
HTML conversion	It is a function that reads HTML where WebAppOS original attribute is buried, and converts it into the form that operates as a dynamic Web application.	○	○	○	It is a function that reads HTML where WebAppOS original attribute is buried, and converts it into the form that operates as a dynamic Web application.
Database construction	It build a database of the application for the cause in DDL which defined the data structure and DML where initial registration data were described.			▲	It build a database of the application for the cause in DDL which defined the data structure and DML where initial registration data were described.
Web/API Server environment file generation	It is a function to set the configuration file of the Web server and the AP server by the automatic operation.			▲	It is a function to set the configuration file of the Web server and the AP server by the automatic operation.

Deploy

Function name	機能概要	α version	β version	release versi	機能概要
Setup of the application	After generating the various files required for the application call the Generator function, leaving accessible to the Web application by the start-up of Web / AP server.			○	After generating the various files required for the application call the Generator function, leaving accessible to the Web application by the start-up of Web / AP server.
Automatic update function	When HTML and DDL were placed in the predetermined directory, it is a function to automatically rebuild application.			▲	When HTML and DDL were placed in the predetermined directory, it is a function to automatically rebuild application.
Version management of WEB APP OS	It is a function to update the version of WEB APP OS when there is an upgrade of WEB APP OS.			▲	It is a function to update the version of WEB APP OS when there is an upgrade of WEB APP OS.