

Комп'ютерні практикуми з кредитного модуля

«Компоненти програмної інженерії - 1. Моделювання та аналіз вимог до програмного забезпечення»

Спеціальність 121 «Інженерія програмного забезпечення»

Освітня програма Інженерія програмного забезпечення комп'ютеризованих систем

Форма навчання денна

2020-2021

Комп'ютерний практикум N 3, Варіант 3

Група ІІІ-91

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Дата представлення відповідей по Комп'ютерному практикуму: 02.11.2020

Тема практикуму: Специфікування та моделювання вимог. Розробка моделей екранних форм.

Моделювання Екранних форм Бізнес-процесу “Наймання співробітника на роботу в ІТ компанію”.

Моделі екранних форм Бізнес-процесу “Наймання співробітника на роботу в ІТ компанію” визначають детальні функціональні можливості Системи, що забезпечують виконання дій користувачів на окремих кроках даного Бізнес процесу.

Кожна екранна форма надає можливості візуалізації та обробки інформаційних об'єктів, які використовуються на одному чи декількох кроках Бізнес процесу.

Завдання Практикуму.

Відповідно до Моделі Бізнес-процесу, розробленої у Комп'ютерному практикумі N 2, Варіант 3 описати моделі наступних екранних форм Системи, що будуть використовуватися користувачами для виконання в Системі окремих кроків бізнес процесу.

Interview Results

Interview №	1	Interviewer's last name	Presley
Interview name	Interview for DevOps position	Date of interview	31.10.2020
Candidate's last name	Jackson	Current interview status	Complete
Position name	DevOps		

Qualification №	Qualification name	Qualification value
1	Containers	Good
2	Orchestration	Good

[Interview list](#)

Candidate Interview

Candidate's last name	Jackson	Date of form acceptance	23.10.2020
Position	DevOps	Decision about recruitment	Pending

Interview №	Interview name	Interviewer's last name	Date of Interview	General Interview Result
1	Interview for DevOps position	Presley	31.10.2020	Candidate has good knowledge in containers and orchestration

[Results](#)

[Status](#)

Text description

Description of the screen form (Candidate Interview)

Rules for forming field values on the screen form

Table 'Candidate Interview' contains the fields:

1. Interview №
2. Interview name
3. Interviewer's last name
4. Date of Interview
5. General Interview Result

The title fields of the screen form 'Candidate Interview' are formed as follows:

1. Field 'Candidate's last name' is formed from the value of field 'last name' of Database 'InterviewInfo'
2. Field 'Position' is formed from the value of field 'target position' of Database 'InterviewInfo'
3. Field 'Date of form acceptance' is formed from the value of field 'acceptance date' of Database 'InterviewInfo'
4. Field 'Decision about recruitment' is formed from the value of field 'final decision' of Database 'InterviewInfo'

The fields of the tabular part of this screen form are formed as follows:

1. Field 'Interview №' is formed from the value of field 'number of interview' of Database 'InterviewInfo'
2. Field 'Interview name' is formed from the value of field 'interview name' of Database 'InterviewInfo'
3. Field 'Interviewer's last name' is formed from the value of field 'Interviewer's last name' of Database 'InterviewInfo'
4. Field 'Date of Interview' is formed from the value of field 'scheduled date' of Database 'InterviewInfo'
5. Field 'General Interview Result' is formed from the value of field 'interview result' of Database 'InterviewInfo'

Input validation rules

Rules for validation of the field 'Interviewer's last name':

1. The field must not be empty:

- a) When you enter an empty value for this field, the error 'Interviewer's last name is empty, enter a valid value' is displayed.

Rules for validation of the field 'Candidate's last name':

- 1. The field must not be empty:
 - a) When you enter an empty value for this field, the error 'Candidate's last name is empty, enter a valid value' is displayed.

Rules for validation of the field 'Date of Interview'

- 1. Date dates in the 'Date of Interview' field should not characterize dates earlier than in the 'Date of form acceptance' field:
 - a) If you enter a date earlier than the value of the 'Date of form acceptance' field, the error 'The date of the interview must be later than the acceptance date, enter the correct date' is displayed.

Description of actions performed when activating the command

- 1. Select of active interview:
 - a) The command is triggered when the user clicks on the mouse button while the mouse cursor is in one of the fields of a particular interview.
 - b) Activation of the interview is confirmed by a highlight line of the interview.
 - c) If the interview described in the previous sub-item is activated, the "Results" and "Status" commands become available.
- 2. Select a field for data entry:
 - a) The command is triggered by the user double-clicking the mouse button while the mouse cursor is on the field window for which it is possible to enter values.
 - b) The field window opens to enter a value.
- 3. Finish entering the field value in the window:
 - a) The user presses the "Enter" key.
 - b) The value entry window closes.
- 4. Results:
 - a) The command is triggered by clicking the "Results" button on the command part of the screen form.
 - b) The transition to the Screen Form "Interview Results" is triggered, in which the qualification characteristics of the Candidate and assessments of their compliance with the requirements of the Candidate's position are presented.

5. Status:

- a) The command is triggered by clicking the "Status" button on the command part of the screen form.
- b) A window with a list of possible statuses is called.
- c) The user selects the desired or closes the list window.
- d) The setting of the status of the active interview is triggered or the window closes.

Description of the screen form (Interview Results)

Rules for forming field values on the screen form

Table 'Interview Results' contains the fields:

1. Qualification №
2. Qualification name
3. Qualification value

The title fields of the screen form 'Candidate Interview' are formed as follows:

1. Field 'Interview №' is formed from the value of field 'Interview №' of the screen form 'Candidate Interview', on which the results are formed.
2. Field 'Interview name' is formed from the value of field 'Interview name' of the screen form 'Candidate Interview', on which the results are formed.
3. Field 'Candidate's last name' is formed from the value of field 'Candidate's last name' of the screen form 'Candidate Interview', on which the results are formed.
4. Field 'Position name' is formed from the value of field 'Position' of the screen form 'Candidate Interview', on which the results are formed.
5. Field 'Interviewer's last name' is formed from the value of field 'Interviewer's last name' of the screen form 'Candidate Interview', on which the results are formed.
6. Field 'Date of Interview' is formed from the value of field 'Date of Interview' of the screen form 'Candidate Interview', on which the results are formed.
7. Field 'Current interview status' is formed from the value of field 'current status' of Database 'InterviewInfo'

The fields of the tabular part of this screen form are formed as follows:

1. Field 'Qualification №' is formed from the value of field 'qualification number' of Database 'QualificationInfo'
2. Field 'Qualification name' is formed from the value of field 'Qualification name' of Database 'QualificationInfo'
3. Field 'Current interview status' is formed from the value of field 'current status' of Database 'InterviewInfo'

Input validation rules

Rules for validation of the field 'Interviewer's last name':

1. The field must not be empty:
 - a) When you enter an empty value for this field, the error 'Interviewer's last name is empty, enter a valid value' is displayed.

Rules for validation of the field 'Candidate's last name':

2. The field must not be empty:
 - a) When you enter an empty value for this field, the error 'Candidate's last name is empty, enter a valid value' is displayed.

Description of actions performed when activating the command

1. Select a field for data entering / correction:
 - a) The command is triggered when the user double-clicks the mouse button while the mouse cursor is on the window of the field for which it is possible to enter / correct values.
 - b) The field window opens to enter / correct a value.
2. Finish entering / correction the field value in the window:
 - a) The user presses the "Enter" key.
 - b) The field for entering / correction the value closes.
3. Interview list:
 - a) The command is triggered by clicking the 'Interview List' button on the command part of the screen form.
 - b) The transition to the 'Candidate Interview' screen form, from which the transition to the current "Interview Results" screen form was made, is triggered.