

B Coverage Analysis Data Sets

Court Hearing

The following textual description follows the closed-world assumption, meaning that only the activities specified can be executed in the specified order. Any possible activity and execution that is not specified is considered impossible.

Initially start "check files".

After "check files" ends, immediately either start "initiate search" or start "do not initiate search".

After either "initiate search" ends or "do not initiate search" ends, immediately start "track physical files".

After "track physical files" ends, immediately start "hand files to associate" and start "distribute judges lawlist".

After "hand files to associate" ends and "distribute judges lawlist" ends, immediately start "conduct directions hearings".

After "conduct directions hearings" ends, the process finishes.

Figure B.1: BeePath Description - Court Hearing

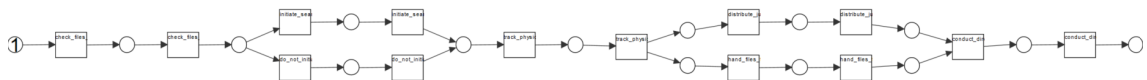


Figure B.2: Our generated Petri net - Court Hearing

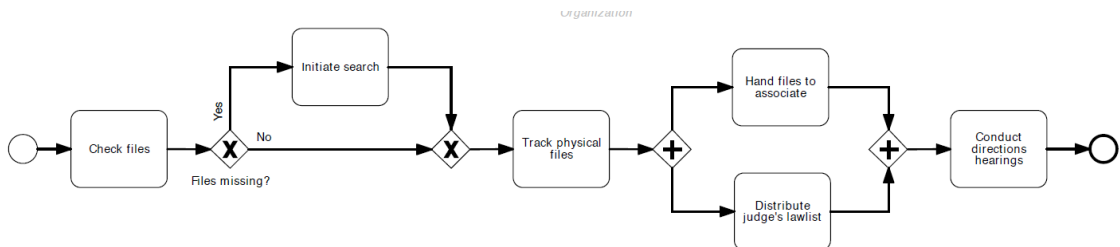


Figure B.3: BPMN - Court Hearing

The following textual description follows the closed-world assumption, meaning that only the activities specified can be executed in the specified order. Any possible activity and execution that is not specified is considered impossible.

Initially start "check files".

After "check files" ends, immediately either start "search files" or start "track files".

After either "search files" ends or "track files" ends, immediately start "hand files" and start "distribute lawlist".

After "hand files" ends and "distribute lawlist" ends, immediately start "conduct hearings", the process finishes.

Figure B.4: LLM conversion to BeePath Description - Court Hearing

Credit Rating

The following textual description follows the closed-world assumption, meaning that only the activities specified can be executed in the specified order. Any possible activity and execution that is not specified is considered impossible.

Initially start "fill out a registration form".

After "fill out a registration form" ends, immediately start "check availability of products".

After "check availability of products" ends, immediately start "check credit rating at Schufa".

After "check credit rating at Schufa" ends, immediately either start "create interim customer dataset record" or start "deny customer registration".

After "create interim customer dataset record" ends, immediately start "device provision process" and start "register customer account at ISP nodes".

After "device provision process" ends and "register customer account at ISP nodes" ends, immediately start "create with send welcome package".

After either "create with send welcome package" ends or "deny customer registration" ends, the process finishes.

Figure B.5: BeePath Description - Credit Rating

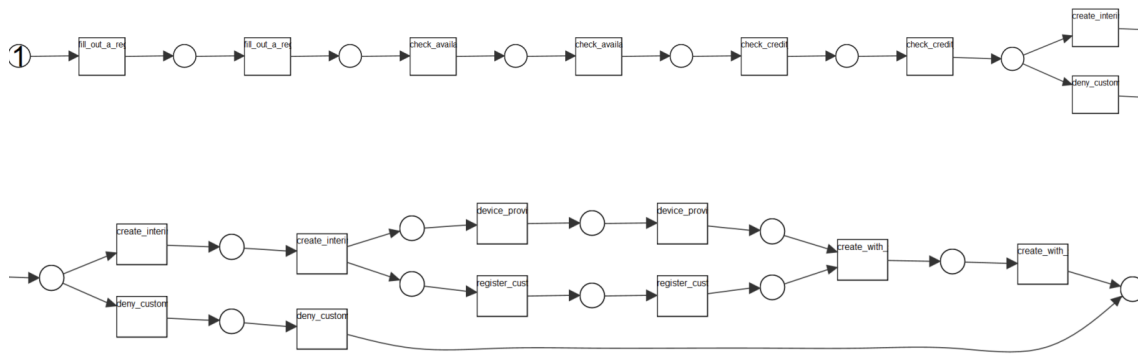


Figure B.6: Our generated Petri net - Credit Rating

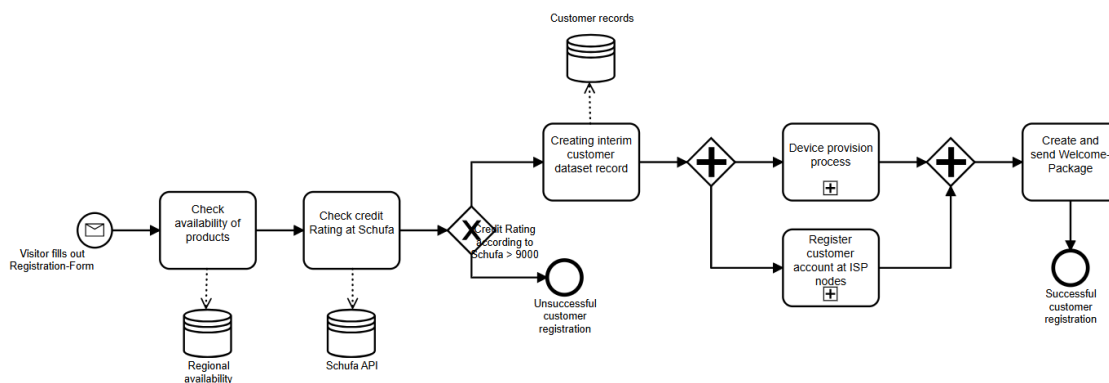


Figure B.7: BPMN - Credit Rating

The following textual description follows the closed-world assumption, meaning that only the activities specified can be executed in the specified order. Any possible activity and

execution that is not specified is considered impossible.

Initially start "fill registration form".

After "fill registration form" ends, immediately start "check product availability" and start "check credit rating".

After "check product availability" ends and "check credit rating" ends, immediately either start "create interim customer dataset" or start "mark registration unsuccessful".

After "create interim customer dataset" ends, immediately start "provision device" and start "register customer account at ISP nodes".

After "provision device" ends and "register customer account at ISP nodes" ends, immediately start "create welcome package".

After "create welcome package" ends, the process finishes.

Figure B.8: LLM conversion to BeePath Description - Credit Rating

Dispatch

The following textual description follows the closed-world assumption, meaning that only the activities specified can be executed in the specified order. Any possible activity and execution that is not specified is considered impossible.

Initially start "clarify shipping of goods".

After "clarify shipping of goods" ends, immediately start "clarify shipment method" and start "package goods".

After "clarify shipment method" ends, immediately either start "get 3 offers from logistic companies" or start "write package label".

After "get 3 offers from logistic companies" ends, immediately start "select logistic company with place order".

After "write package label" ends, immediately either start "insure parcel" or start "do not insure parcel".

After either "insure parcel" ends or "do not insure parcel" ends or "select logistic company with place order" ends or "package goods" ends, immediately start "prepare picking up goods".

After "prepare picking up goods" ends, the process finishes.

Figure B.9: BeePath Description - Dispatch

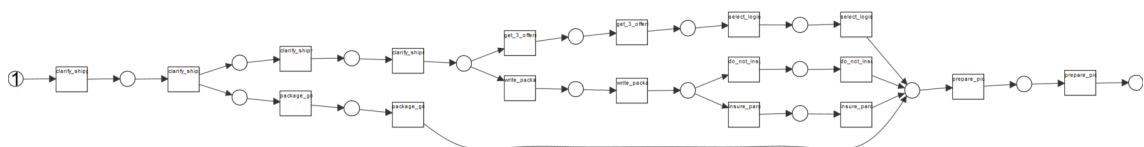


Figure B.10: Our generated Petri net - Dispatch

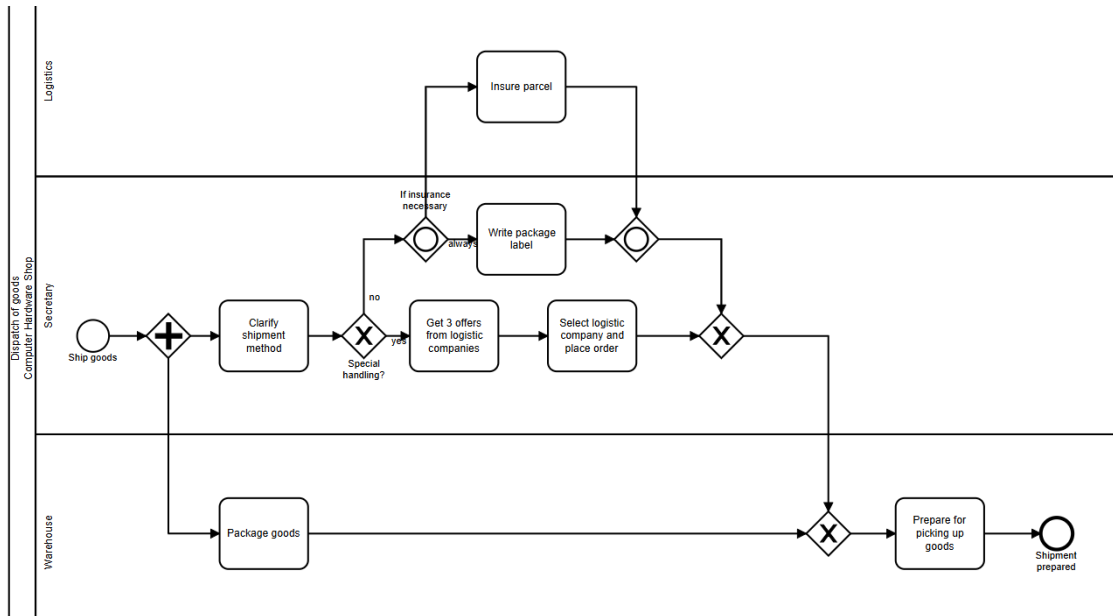


Figure B.11: BPMN - Dispatch

The following textual description follows the closed-world assumption, meaning that only the activities specified can be executed in the specified order. Any possible activity and execution that is not specified is considered impossible.

Initially start "ship goods".

(Shipping Decision): "clarify shipping" and "package goods".

(Shipping Choice): "special shipping" or "normal shipping".

After "ship goods" ends, immediately start (Shipping Decision).

After "clarify shipping" ends, immediately either start "invite logistic companies" or start "write package label".

After "invite logistic companies" ends, immediately start "select logistic company".

After "select logistic company" ends, immediately start "special shipping".

After "write package label" ends, immediately either start "take parcel insurance" or start "normal shipping".

After "package goods" ends and (Shipping Choice) ends, the process finishes.

Figure B.12: LLM conversion to BeePath Description - Dispatch

Web Frontend

The following textual description follows the closed-world assumption, meaning that only the activities specified can be executed in the specified order. Any possible activity and execution that is not specified is considered impossible.

Initially start "collect data with conduct business analysis regarding customer feedback".

After "collect data with conduct business analysis regarding customer feedback" ends, immediately start "integrate design with decide where customer feedback module should be placed".

After "integrate design with decide where customer feedback module should be placed" ends, immediately start "change design with provide feedback".

After "change design with provide feedback" ends, immediately either start "change design" or start "integrate with the overall implementation".

After "change design" ends, immediately repeat since "integrate design with decide where customer feedback module should be placed".

After "integrate with the overall implementation" ends, immediately start "test the final website to make sure everything is going well".

After "test the final website to make sure everything is going well" ends, immediately either start "provide test results" or start "finish testing".

After "provide test results" ends, immediately start "adjust according to test results".

After "adjust according to test results" ends, immediately repeat since "integrate with the overall implementation".

After "finish testing" ends, the process finishes.

Figure B.13: BeePath Description - Web Frontend

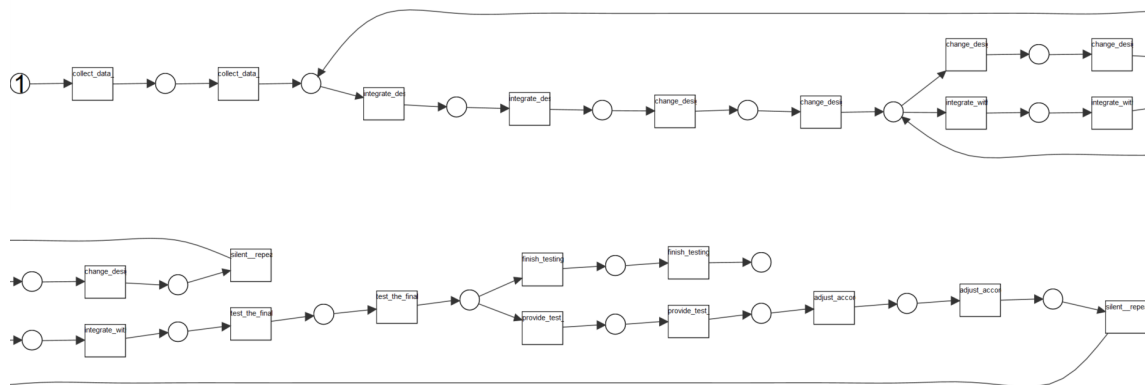


Figure B.14: Our generated Petri net - Web Frontend

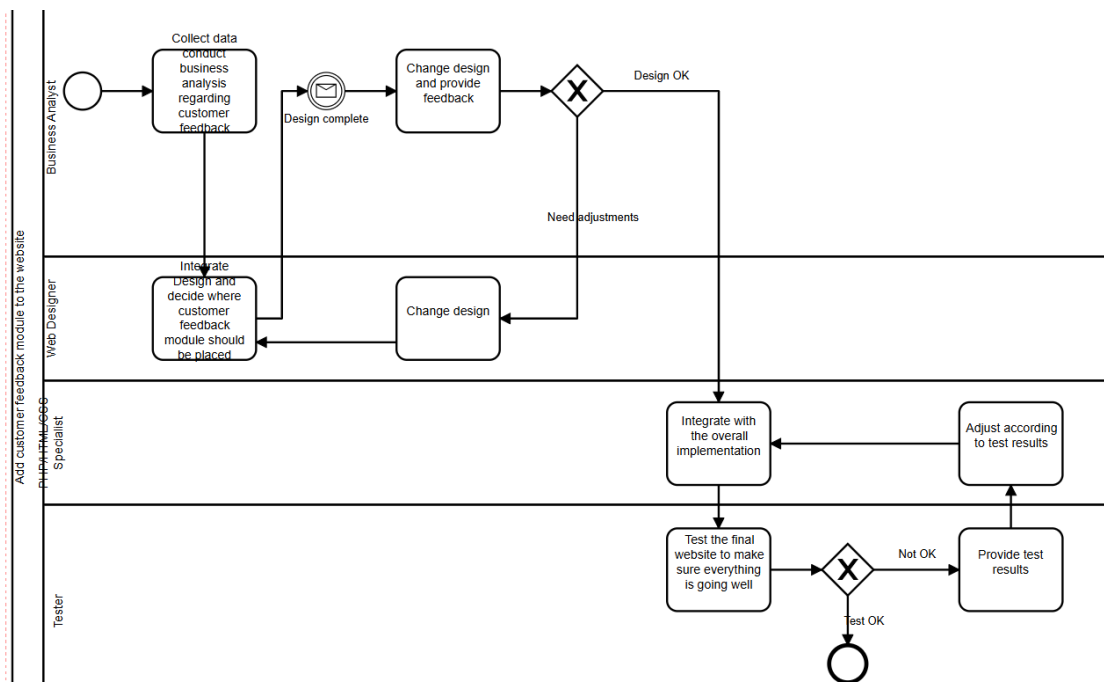


Figure B.15: BPMN - Web Frontend

The following textual description follows the closed-world assumption, meaning that only the activities specified can be executed in the specified order. Any possible activity and execution that is not specified is considered impossible.

Initially start "collect data".

After "collect data" ends, immediately start "conduct business analysis".

After "conduct business analysis" ends, immediately start "integrate design".

After "integrate design" ends, immediately start "check design".

After "check design" ends, immediately either start "adjust design" or start "integrate implementation".

After "adjust design" ends, immediately repeat since "integrate design".

After "integrate implementation" ends, immediately start "test website".

After "test website" ends, immediately either start "adjust implementation" or start "finalize process".

After "adjust implementation" ends, immediately repeat since "integrate implementation".

After "finalize process" ends, the process finishes.

Figure B.16: LLM conversion to BeePath Description - Web Frontend

Zoo

The following textual description follows the closed-world assumption, meaning that only the activities specified can be executed in the specified order. Any possible activity and execution that is not specified is considered impossible.

Initially start "decide individual slash family ticket".

After "decide individual slash family ticket" ends, immediately either start "prepare personal information" or start "prepare family information".

After either "prepare personal information" ends or "prepare family information" ends, immediately start "send information to ZooClub department".

After "send information to ZooClub department" ends, immediately start "enter information into the system".

After "enter information into the system" ends, immediately start "send request to billing department" and start "forward information to marketing department".

After "send request to billing department" ends, immediately start "send payment request".

After "send payment request" ends, immediately start "process payment information".

After "process payment information" ends, immediately start "charge account".

After "charge account" ends, immediately start "deliver ZooClub card".

After "deliver ZooClub card" ends, immediately start "go home".

After "forward information to marketing department" ends, immediately start "mail ZooClub magazine".

After "mail ZooClub magazine" ends and "go home" ends, the process finishes.

Figure B.17: BeePath Description - Zoo

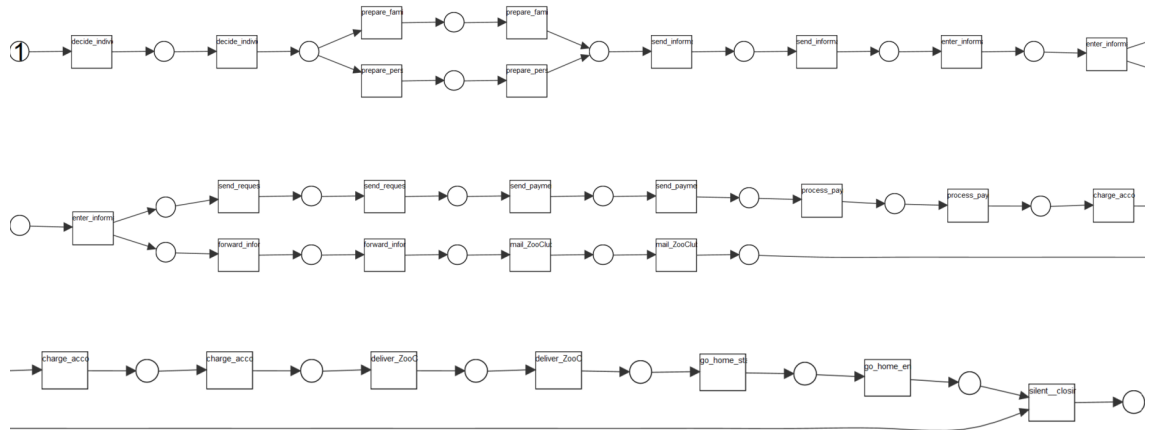


Figure B.18: Our generated Petri net - Zoo

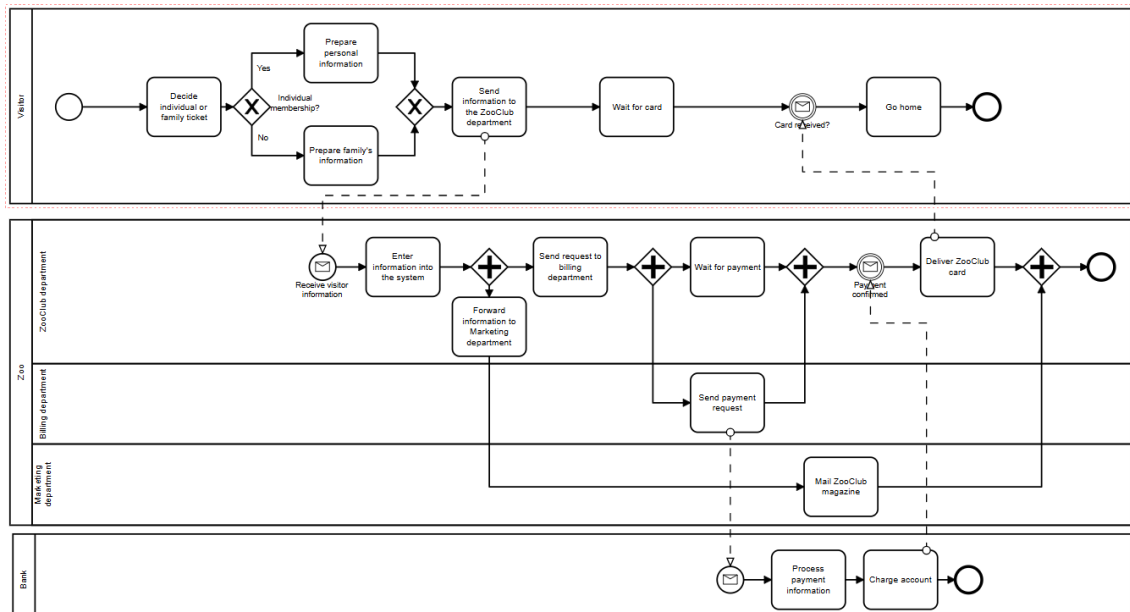


Figure B.19: BPMN - Zoo

The following textual description follows the closed-world assumption, meaning that only the activities specified can be executed in the specified order. Any possible activity and execution that is not specified is considered impossible.

Initially start "decide membership type".

(Choose Membership): "prepare personal information" or "prepare family information".

After "decide membership type" ends, immediately either start (Choose Membership) or start "provide information to ZooClub department".

After "provide information to ZooClub department" ends, immediately start "introduce data into system" and start "forward information to marketing department".

After "introduce data into system" ends, immediately start "request payment from billing

department".

After "request payment from billing department" ends, immediately start "send payment request to bank".

After "send payment request to bank" ends, eventually start "process payment".

After "process payment" ends, immediately start "confirm payment".

After "confirm payment" ends, immediately start "print membership card".

After "print membership card" ends, immediately start "deliver card to visitor".

After "forward information to marketing department" ends, immediately start "request magazine mailing".

After "deliver card to visitor" ends and "request magazine mailing" ends, the process finishes.

Figure B.20: LLM conversion to BeePath Description - Zoo